

Volume

#

R0346

a-346

BOOK A-346

1946

INDEX DIAGRAM.

Township *Black Horse 13th* N., Range *19th* W.

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Willow Riverada Bdu. p. 19-22

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lay
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same;
we will report the true distances to all notable objects, and the true lengths of all lines that we are
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chain

_____, Chain

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Mound

_____, Mound

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Ax

_____, Ax

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of _____

_____, Flag

Subscribed and sworn to before me this _____ }
day of _____, 190 }



BOOK A-346

1902

INDEX DIAGRAM.

Township 8, Range 19 N.

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



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INDEX DIAGRAM.

Township 2 S., Range 19 W.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



BOOK A-346

INDEX DIAGRAM.

Township 2 S., Range 18 W.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



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INDEX DIAGRAM.

Township 2 S, Range 17 W

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainman
_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundman
_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axman
_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



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INDEX DIAGRAM.

Township 25, Range 17

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30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



4-679.

BOOK A-346

FILED

OCT 11 1908

FIELD NOTES

OF THE SURVEY OF THE

RETRACEMENT AND RESURVEY

OF

UTAH-NEVADA BOUNDARY LINE

From

42d to the 37th Mile Corners.

Of the Meridian,

AS SURVEYED BY

Robert E. L. Collier

, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908.

Survey commenced August 18, 1908,

Survey completed August 19, 1908.

5-03-70

BOOK A-346

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman.

David Sharp Jr. Chainman.

R. Harold Browne, Moundman

Ralph M. Wind, Flagman.

BOOK A-346

INDEX DIAGRAM.

Township....., Range.....

6	5	4	3	2	1
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10	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and David Sharp Jr.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we are measuring, to the best of our skill and ability, and in accordance with instructions given us, in the retracement and resurvey of part of the Utah-Nevada Boundary line

Ralph Gentry, Chainman
David Sharp Jr., Chainman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry P. Peterson
Notary Public

We, I. R. Harold Browne and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the retracement and resurvey of part of the Utah-Nevada Boundary line

R. Harold Browne, Moundman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry P. Peterson
Notary Public

We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

Subscribed and sworn to before me this _____

day of _____, 1908



_____, Axman

_____, Axman

I, Ralph M. Wind

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the retracement and resurvey of part of the Utah-Nevada Boundary line

Ralph M. Wind, Flagman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry P. Peterson
Notary Public

RETRACEMENT UTAH-NEVADA BOUNDARY LINE.

Survey commenced August 18, 1908, and executed with a C.L. Berger & Sons light mountain transit No. 5778. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah Aug. 12, 1908. Knowing from the returns of Deputy Stookey, who resurveyed the Utah-Nevada Bdy. line from the 42d to 50th mile posts, that said bdy. is defective, preliminary to commencing the survey of the Salt Lake Base line through Tp. 1 N., R. 19 W., I deem it necessary to retrace said boundary line from the 42d mile corner north.

Therefore, at the 42d mile corner, which is a pine post 6 ins. sq., 4 ft. above ground, marked and witnessed as described by the surveyor general, lat. $40^{\circ}42'44''$ N. long. $114^{\circ}02'37''$ W., at 9 h. 40 m. by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with the Manual of instructions, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station.

August 19:

At 7^h 30^m a.m. I lay off azimuth of Polaris $1^{\circ}54'$ to the west, and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night; the magnetic bearing of the true meridian is $N. 18^{\circ}20' W.$, which gives the mag. decl. $18^{\circ}20' E.$

From said 42d mile corner I run
North on the 42d mile,

RETRACEMENT UTAH-NEVADA BOUNDARY LINE.

Chains.

67.33 Mound of earth and stone 5 ft. base, $2\frac{1}{2}$ ft. high 24 lks.
east. Course of this line is therefore N. $0^{\circ}12'E$. Continue
on this course to
80.00 Set post for temporary 41st mile cor.

Thence I run North on 41st mile.

63.00 At this point I find it impossible to measure balance
of mile over the rough limestone peak, I, therefore
send a flag to top of west slope of peak, then mea-
sure a base west 15 chs. to a point, from which the
flag bears N. $41^{\circ}51'E$. From the flag the west end of
base bears S. $41^{\circ}51'W$. Therefore the distance is
tang. $48^{\circ}09' \times 15$ chs., or 1.11696×15 , which
equals 16.75, making the whole distance to flag of
63.00 chs. plus 16.75 chs., equals 79.75 chs.

80.00 Find no trace of 40th mile post.
Set post for temporary mile post for 40th mile.

Thence I run

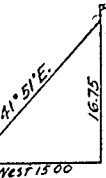
North on 40th mile,

80.00 Find no trace of 39th mile post.
Set post for temporary 39th mile cor.

Thence I run

North on 39th mile

80.00 Find no trace of mound of stone purported to be set
on ridge running E. and W.
Set post for temporary 38th mile cor.



RETRACEMENT AND RESURVEY UTAH-NEVADA BOUNDARY LINE.

Chains. Thence I run

North on 38th mile,

80.00 Set post for temporary 37th mile cor.

Thence I run

North on 37th Mile,

3.70 Find limestone 14 x 10 x 8 ins., set in mound of stone
 $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, stone marked Utah on SE.
 Nevada on SW. 2.99 chs. west. This mound is described
 in original notes as 36 miles plus 75 chs.

Therefore I find from the point for the 37th mile cor.
 which is 5 chains south of above described mound
 to the 42d mile post the distance to be 398.70 chs.

Each mile is therefore 79.74 chs. in length and the
 course from the point for the 37th mile to the 41st
 mile is therefore S. 0° 32' W. instead of south as
 given in original notes.

I therefore begin at the 36th mile cor. already de-
 scribed, plus 75.00 chs., and run thence

South on 37th mile,

Descending over mountainous land; through scattering
 greasewood undergrowth.

5.00 Set a limestone 24 x 12 x 12 ins., 18 ins. in the ground
 for 37th mile cor., marked

37 M on S.
 U on E., and
 N on W. face, and raise a mound of stone 3 ft.
 base, 2 ft. high south of stone.

Land, mountainous.

Soil, stony; 4th rate.

No timber.

Undergrowth scattering greasewood.

Mountainous land 80.00 chs.

RESURVEY OF UTAH-NEVADA-BOUNDARY LINE.

Chains. S.0° 32'W.on 38th mile,

Descending over mountainous land; scattering greasewood.

2.00 Ravine, drains NE.

Ascend over north slope of mountain.

31.00 Top of spur, projects E., 350 ft. above 37th mile post.

Thence along top of spur, bearing E. and W.

35.00 Descend over SW. slope of spur.

68.00 Head of ravine, drains S.60° E., 400 ft. below top of spur.

Ascend.

76.00 Top of spur, projects about 4 chs. E.

Descend gently.

79.74 Falls on small ledge about 8 ft. high on E. slope of mountain.

Cut a cross (X) at exact point for mile corner; as this ledge was very rough, I set a limestone 18 x 16 x 10 ins. in mound of stone 3½ ft. base, 2 ft. high, 3 lks. E. of cross, marked 38 M on S., U on E., and N on W. face. No point nearer where mound would stand.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth scattering greasewood.

S.0° 32'W.on 39th Mile,

Ascending over rough north slope of mountain.

11.25 Top of mountains, bear E. and W. 250 ft. above 38th mile post

18.00 Ravine drains NE., 50 ft. below top of mountain.

31.34 Top of ridge bears E. and W.; 100 ft. above ravine.

39.00 Ravine, drains East.

42.90 Top of ridge bears N.65° W. and S.65° E., 500 ft. above 38th mile post. Descend over SW. slope of ridge.

52.00 Foot of ridge; enter wash, draining SE., 350 ft. below top of ridge. Wash runs about 2 chs. west.

79.74 Set a limestone 24 x 12 x 8 ins., 18 ins. in the ground,

RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains. for 39th mile cor., marked 39 M. on S., U on E., and N on W. face; raise a mound of stone $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high S. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth scattering greasewood.

Mountainous land 79.74 chs.

S. 0° , $32'$ W. on 40th Mile

Descending over mountainous land; through scattering greasewood.

1.00 Center of wash 25 lks. wide, 6 ft. deep, drains S. 10° W.

4.00 Point between washes.

6.50 Center of wash 25 lks. wide, 6 ft. deep, drains S. 20° E.
Ascend over east slope of spur.

7.90 Top of spur, projects south.

13.00 Foot of spur; enter wash drains S.

26.00 Leave wash drains S. 30° E.

Descend gently.

57.00 Begin ascent over north slope of peak bearing E. and W.

79.74 Falls on small ledge, on W. slope of limestone peak; peak about 2 chs. E.

Cut a cross (X) at exact point for 40th mile cor., marked U East, 40 M South, and N west of cross; and raise a mound of stone 3 ft. base 2 ft. high 3 ft. S. of cross.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth scattering greasewood.

Mountainous land 79.74 chs.

RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains.	S.0° 32'W.on 41st Mile,
	Over rough limestone peak; through scattering greasewood.
2.50	Foot of cliffs on S.slope of limestone peak, bearing S.60° E. and N.60° E. 200 ft. below cor.
	Continue steep descent.
17.00	Foot of south slope of peak bears E. and W. 400 ft. below corner; Descend gently over gravelly bench.
52.25	Road bears NE. and SW. 2 chs., then west.
65.00	Isolated hill about 4 chs. wide and 4 chs. long 5 chs. E. of line.
77.94	Telephone line, Salt Lake to Ely, bns. E. & W.
79.74	Set limestone 32 x 16 x 11 ins., 24 ins. in the ground, for 41st. mile cor., marked 41 M. on S.; U on E., and N on W. faces; and raise a mound of stone 3 ft. base, 2 ft. high 3 ft. S. of cross.
	Land, mountainous.
	Soil, gravelly; 3d rate.
	No timber.
	Undergrowth scattering greasewood.
	Mountainous land 79.74 chs.
<hr/>	
	S.0° 12'W.on 42d mile,
	Over slightly descending, gravelly bench.
6.92	Road bears NW. and SE.
9.00	Begin slight ascent over limestone spur projects N.65° W.
12.41	Mound of earth and stone 5 ft. base, 2½ ft. high, identi- fied as the mound set on the original survey, on top of limestone spur bearing N.65° W. and S.65° E.
	Descend.
17.90	Foot of spur, projects N.65° W., 125 ft. below top.
18.52	Center main line Western Pacific R.R. bears at this point N.81° 30'W.
19.21	Telegraph line bears N.81° 30'W. and S.81° 30'W.

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RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains.	Looking west the line curves to right.
23.00	NW.foot of isolated hill; thence along the west slope
25.00	Center of hill 2.50 chs.E.
28.00	East edge of salt spring, about 50 lks. in diameter.
	Thence over level alkali land.
79.74	To 42d mile cor.heretofore described.
	Land, mountainous.and level.
	Soil, gravelly; 3d rate; and alkali; 4th rate.
	No timber.
	Undergrowth scattering greasewood.
	No

August 19, 1908.

Robert E. R. Collins
U.S.Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert E.L. Collier
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 ing the lines and corners described in the foregoing field notes of the ~~survey of~~ retracement
resurvey of part of the Utah-Nevada Boundary line
 ing the respective capacities in which they acted:

Ralph Gentry _____, *Chainman.*

David Sharp Jr. _____, *Chainman.*

R. Harold Browne _____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

Ralph M. Wind _____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E.L. Collier
 _____, retracing and resurveying
 _____, United States Deputy Surveyor, in surveying all
 parts or portions of the Utah-Nevada Boundary line

_____ of the _____
 _____ meridian, _____ of _____, which are represented
 by the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 monuments established, according to the instructions furnished by the United States Surveyor
 ral for Utah

Ralph Gentry _____, *Chainman.*

David Sharp Jr. _____, *Chainman.*

R. Harold Browne _____, *Moundman.* ✓

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

Ralph M. Wind _____, *Flagman.* ✓

scribed and sworn to before me this 1st
 ay of October, 1908



Henry H. Atkinson
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L. Collier, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 5th day of March, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Utah-Nevada Boundary line or retracement and re of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier
United States Deputy Surveyor.

Subscribed by said Robert E.L. Collier, and sworn to before me)
this 12th day of October, 1908.



Thomas Hull
U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 21, 1909.

The foregoing field notes of the survey of retracement and resurvey of the Utah-Nevada Boundary line from the 42d to the 37th mile corners

executed by Robert E.L. Collier
under his contract No. 391, dated March 5, 1908 having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements and re surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys has been correctly copied from the original notes on file in this office.

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4-679.

BOOK A-346

B.

J. H. FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 16 1908

SALT LAKE BASE LINE

THROUGH

RANGE NO. 19 WEST

Of the SALT LAKE Meridian,

U T A H

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908,

survey commenced August 19, 1908

survey completed August 20, 1908.

4-49-26

Closing

10-41

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman.

David Sharp Jr., Chairman.

Robt.T.Collier, Chairman,

David Rodger, Chairman

R.Harold Browne, Moundman.

Ralph M.Wind, Flagman.

BOOK A-346

INDEX DIAGRAM.

Township 1 North, Range 19 West

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Gentry, David Sharp Jr. and Robt. T. Collier and David Rodger
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
Salt Lake Base Line through R. 19 W. of the Salt Lake Meridian, Utah,

Ralph Gentry

David Sharp Jr.

Chainman.

Robt. T. Collier

David Rodger

Chainman.

Subscribed and sworn to before me this 19th

day of August, 1908



Henry P. Peterson
Notary Public

WE, I. R. Harold Browne and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given ^{me} us, to the best of our skill and ability, in the survey of
the Salt Lake Base Line through R. 19 W. of the Salt Lake Meridian, Utah.

I. R. Harold Browne

Moundman.

Subscribed and sworn to before me this 19th

day of August, 1908



Henry P. Peterson
Notary Public

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____ Axman.

_____ Axman.

Subscribed and sworn to before me this _____

day of _____, 1908



I, Ralph M. Wind, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of the Salt Lake Base Line, through R. 19 W. of the Salt Lake Me-
ridian, Utah.

Ralph M. Wind

Flagman.

Subscribed and sworn to before me this 19th

day of August, 1908



Henry P. Peterson
Notary Public

SALT LAKE BASE LINE THROUGH R. 19 W.

Chains. Survey commenced Aug. 19, 1908, and executed with the instrument described in book "A" of this survey.

At the standard cor. of Tp. 1 N., Rs. 18 and 19 W., which is a mound of earth and stake 21 ins. sq., 12 ft. long, 12 ins. in pit, marked and witnessed as described by the surveyor general, lat. $40^{\circ} 46' 04''$ N.; long. $113^{\circ} 57' 18''$ W., at 9 h. 36 m. p.m. by my watch which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined by a nail driven in a stake set in the ground 4 chs. N. of my station.

Aug. 19, 1908.

Aug. 20: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west, and mark the meridian thus determined by driving a nail in a stake firmly set in the ground west of the point established last night. The magnetic bearing of the true meridian is N. $17^{\circ} 45'$ W., which gives the mag. decl. $17^{\circ} 45'$ E.

At this cor. I turn off from the true meridian an angle of 90° towards the west, and run

West on tangent S. of sec. 36,

Over level land.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 40.02 chs.

By 2d set 39.98 chs., the mean of which is

40.00 N. 0.2 lks. from tangent,

Set a conglomerate stone 20 x 6 x 6 ins., 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked S. C $\frac{1}{4}$ on N. face, dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N.

SALT LAKE BASE LINE THROUGH R. 19 W.

Chains.	of cor.
48.00	Begin very slight ascent, over gravelly bench land, bearing S.60° W. and N.60° E.
69.56	Wagon road to Wendover bears S.60° W. and N.60° E. Difference bet. measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point By 1st set 80.02 chs. By 2d set 79.98 chs., the mean of which is
80.00	N. 0.9 lks. from tangent, Set a conglomerate stone 19 x 12 x 7 ins., 15 ins. in the ground for standard cor. of secs. 35 and 36, marked S C on N. face, with 1 groove on E. and 5 grooves on W. face; dig pits 18 x 18 x 12 ins. crosswise on each line E. and W. 3 ft., and N. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor. Land, level and gently rolling bench. Soil alkali and gravelly bench; 4th rate. No timber.
40.00	S. 89° 59' W. on tangent S. of sec. 35, over rolling bench land. Difference bet. measurement of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point By 1st set 40.01 chs. By 2d set 39.99 chs., the mean of which is N. 2 lks. from tangent, Set a sandstone 14 x 12 x 8 ins., 9 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
73.00	Wash drains S. 30° E. Difference bet. measurement of 80.00 chs. by two sets of

SALT LAKE BASE LINE THROUGH R. 19 W.

Chains chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs., the mean of which is

80.00 N. 3.5 lks. from tangent,

Set a limestone 18 x 8 x 6 ins.; 12 ins. in the ground for standard cor. of secs. 34 and 35, marked S C on N., with 4 grooves on W. and 2 grooves on E. face; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

Land, rolling bench.

Soil, gravelly; 4th rate.

No timber.

S. 89° 58' W. on tangent S. of sec. 34,

Ascending over gravelly bench.

4.50 Foot of ridge, bears N. and S.

29.39 Top of ridge bears N. and S., about 400 ft. above foot.
Descend gently.

33.15 Begin abrupt descent bearing N. and S.

36.00 Descent becomes less abrupt.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 40.03 chs.

By 2d set 39.97 chs., the mean of which is

40.00 N. 5.5 lks. from tangent,

Set a limestone 16 x 8 x 5 ins., 11 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

42.00 Foot of ridge bears N. and S.; thence over rolling bench.

71.75 Wagon road bears N. and S.

76.00 Foot of spur, projects about 10 chs. S.

Difference bet. measurement of 80.00 chs. by two sets of

SALT LAKE BASE LINE THROUGH R. 19 W.

Chains.	chainmen is 8 lks.; position of middle point
	By 1st set 79.96 chs.
	By 2d set 80.04 chs., the mean of which is
80.00	N. 8 lks. from tangent,
	Set a limestone 25 x 10 x 10 ins., 19 ins. in the ground
	for standard cor. of secs. 33 and 34, marked S C on N.
	with 3 grooves on E. and W. faces; and raise a mound
	of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits imprac-
	ticable.
	Land, mountainous and rolling bench.
	Soil, stony and gravelly 4th rate.
	No timber.
	Mountainous land 41.50 chs.
	S. $89^{\circ}58'$ W. on tangent S. of sec. 33,
	Ascending over spur.
2.20	Top of spur bears N. and S. 175 ft. above foot. Desc.
8.00	Foot of spur.
14.00	Wash drains S.
	Difference bet. measurement of 40.00 chs. by two sets of
	chainmen is 6 lks.; position of middle point
	By 1st set 40.03 chs.
	By 2d set 39.97 chs.; the mean of which is
40.00	N. 11 lks. from tang.
	Set a limestone 13 x 12 x 7 ins., 9 ins. in the ground
	for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face, and
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of
	cor. Pits impracticable.
52.00	Foot of spur, projects about 4 chs. NE.
60.00	Top of spur; thence descend slightly along N. face.
73.00	Begin steeper descent.
75.50	Foot of spur projects NE. 100 ft. below top.
	Ascend gently.
	Difference bet. measurement of 80.00 chs. by two sets of

SALT LAKE BASE LINE THROUGH R. 19 W.

Chains

chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs., the mean of which is

80.00 N. 14 lks. from tangent,

Set a limestone 17 x 8 x 6 ins., 12 ins. in the ground

for standard cor. of secs. 32 and 33, marked S C on N.

with 2 grooves on W. and 4 grooves on E. face; and

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

Land, mountainous and gravelly bench.

Soil, stony and gravelly; 4th rate.

No timber.

Mountainous land 31.50 chs.

S. $89^{\circ}57'$ W. on tangent S. of sec. 32,

Over gravelly bench and gently ascending over bench
land.

4.00 Top of small spur, projects 1 ch. S.; thence slight de-
scent.

6.00 Begin ascent.

14.00 Foot of spur, projects N. 60° E. 3 chs.; then ascend
along N. slope.

36.54 Highest point on north slope. 150 ft. above foot.

39.80 Ravine drains NE.

Ascend.

Difference bet. measurement of 40.00 chs. by two sets of
chainmen is 6 lks.; position of middle point

By 1st set 40.03 chs.

By 2d set 39.97 chs., the mean of which is

40.00 N. 17.5 lks. from tangent,

Set a limestone 20 x 77 x 6 ins. 15 ins. in the ground

for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; and

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of

cor.

SALT LAKE BASE LINE THROUGH R. 19 W.

Chains.

Cor.; from which

A cedar 10 ins. diam. bears N. 27° 45' E. 23 lks. dist.

marked S C $\frac{1}{4}$ S B T

No other bearing trees within limits.

Difference bet. measurement of 49.26 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set 49.22 chs.

By 2d set 49.30 chs., the mean of which is

49.26 N. 19 lks. from tangent,

Intersect Utah-Nevada boundary line at S. 0° 32' W.

10.41 chs. from the 38th mile cor., established by myself and heretofore described.

Set a quartzite stone 18 x 18 x 12 ins., 12 ins. in the ground for standard closing cor. of Tps. 1 N., and 1 S. R. 19 W. marked C C U on E., N on W., with 6 grooves on N., S., and E. faces.; and raise a mound of stone 2 ft. base, 1½ ft. high E. of cor. Pits impracticable.

Land, mountainous.

Soil, stony and gravelly; 4th rate.

No timber.

August 20, 1908.

For general description see notes of subdivision of T. 1 N., R. 19 W.

Robert E. R. Collins
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert E.L. Collier
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 ing the lines and corners described in the foregoing field notes of the survey of the Salt Lake
Base Line through R. 19 W. of the Salt Lake Meridian, Utah,
 ing the respective capacities in which they acted:

Ralph Gentry, Chairman, David Sharp Jr., Chairman.
Robt. T. Collier, Chairman, David Rodger, Chairman.
R. Harold Browne, Moundman.
 _____, Moundman.
 _____, Axman.
 _____, Axman.
Ralph M. Wind, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E.L. Collier
 _____, United States Deputy Surveyor, in surveying all
 parts or portions of the Salt Lake Base Line through R. 19 W.

 _____ of the
Salt Lake meridian, State of Utah, which are represented
 e foregoing field notes as having been surveyed by him and under his direction; and that said survey
 een in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 r monuments established, according to the instructions furnished by the United States Surveyor
 ral for U t a h.

Ralph Gentry, David Sharp Jr., Chairman.
Robt. T. Collier, David Rodger, Chairman.
 _____, Moundman.
R. Harold Browne, Moundman.
 _____, Axman.
 _____, Axman.
Ralph M. Wind, Flagman.

scribed and sworn to before me this 1st

ay of October, 1908



Robert E. Collier
Surveyor General

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L. Collier, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 5th day of March, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Salt Lake Base Line through Range No. 19 West

_____ of the _____
Salt Lake meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor.

Subscribed by said Robert E.L. Collier, and sworn to before me }
 this 12th day of October, 1908.



Thomas Hull

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, 1909.

The foregoing field notes of the survey of the Salt Lake Base Line through Range 19 West of the Salt Lake Meridian, Utah,

executed by Robert E.L. Collier
 under his contract No. 301, dated March 5, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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BOOK A-346

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FILED
OCT 12 1908

F.N. FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

O F

TOWNSHIP NO. 1 NORTH

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND Meridian,

U T A H,

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

er his Contract No. 301, dated March 5, 1908,

ey commenced August 21, 1908.

ey completed August 22, 1908.

4-46-71
Closing 9-78

BOOK A-346

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman.

David Sharp Jr., Chairman.

R. Harold Browne, Moundman.

Ralph M. Wind, Flagman .

BOOK A-346

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Gentry and David Sharp Jr
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

N.Bdy.T.1 N., R. 19 W.; S.Bdy.T. 1 S., R. 19 W.; S. and E.Bdys.T. 2 S. R. 18 W.; and S.Bdy.T.2 S., R. 17 W.of the Salt Lake Base and Meridian Utah.

Ralph Gentry, Chainman
David Sharp Jr, Chainman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry J. Peterson
Surveyor General

WE, I. R. Harold Browne and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

N.Bdy.T. 1 N., R. 19 W.; S.Bdy.T. 1 S., R. 19 W.; S. and E.Bdys.T. 2 R.18 W.; and S.Bdy.T. 2 S., R. 17 W.of the Salt Lake Base and Meridian Utah.

R. Harold Browne, Moundman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry J. Peterson
Surveyor General

WE, _____ and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey

Subscribed and sworn to before me this _____

day of _____, 190 _____



_____, Axman
_____, Axman

I, Ralph M. Wind, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of N.Bdy.T.1 N., R. 19 W.; S.Bdy.T.1 S., R. 19 W.; S. and E.Bdys.T. 2 S., R. 18 W.; and S.Bdy.T. 2 S., R. 17 W.of the Salt Lake Base and Meridian, Utah.

Ralph M. Wind, Flagman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry J. Peterson
Surveyor General

NORTH BOUNDARY T. 1. N., R. 19 W.

Chains. Survey commenced August 21, 1908, and executed with the instrument described in book "A" of this survey.

At the cor. of Tps. 1 and 2 N., Rs. 18 and 19 W., which is a quartzite stone 6 x 6 x 6 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, lat. $40^{\circ} 51' 17''$ N.; long. $113^{\circ} 57' 18''$ W. at 9 h. 28 m. 24 s. p.m. by my watch, which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station. cor.

August 21, 1908.

August 22: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by a stake driven in the ground west of the point established last night.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m. is N. $17^{\circ} 50' W.$, which gives the mag. decl. $17^{\circ} 50' E.$

From the Tp. corner already described I turn 90° to the west, and run

West bet. secs. 1 and 36,

Over gently descending gravelly bench land.

17.40 Ravine, drains N. $15^{\circ} W.$

40.00 Set a quartzite stone 13 x 8 x 5 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

74.00 Ravine, drains N. $15^{\circ} W.$

80.00 Set a quartzite stone 20 x 16 x 10 ins., 15 ins. in the ground for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E. and 5 notches on W. edge; dig pits 18 x

NORTH BOUNDARY T. 1 N., R. 19 W.

Chains.

18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land, nearly level.
 Soil, gravelly; 4th rate.
 No timber.

West bet. secs. 2 and 35,

Over slightly descending land.

40.00 Set a quartzite stone 14 x 8 x 6 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone, 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

60.00 Wash drains N. 20° W.

80.00 Set a quartzite stone 16 x 8 x 6 ins., 11 ins. in the ground for cor. of secs. 2, 3, 34, and 35; marked with 2 notches on E. and 4 notches on W. edge; dig pits 18 x 18 x 12 ins. each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, mostly level.

Soil, gravelly; 4th rate.

No timber.

West bet. secs. 3 and 34,

Over slightly descending land.

40.00 Set a quartzite stone 15 x 10 x 6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

75.00 Foot of sand ridge, extending N. 3 chs. and S. 3 chs.

NORTH BOUNDARY T. 1 N., R. 19 W.

Chains.

- 76.50 Top of sand ridge about 12 ft. high, bears N. and S.
Descend.
- 78.00 Foot of sand ridge.
- 80.00 Set a quartzite stone 16 x 8 x 6 ins., 11 ins. in the
ground for cor. of secs. 3, 4, 33, and 34, marked with
3 notches on E. and W. edges; dig pits 18 x 18 x 12
ins. in each sec. 5½ ft. dist.; and raise a mound of
earth 4 ft. base, 2 ft. high W. of cor.
Land, nearly level.
Soil, gravelly; 4th rate.
No timber.
-
- West bet. secs. 4 and 33,
- Over level land, with an occasional sand hill,
- 40.00 Set a quartzite stone 12 x 8 x 4 ins., 8 ins. in the
ground for ¼ sec. cor.; dig pits 18 x 18 x 12 ins. E.
and W. of stone 4 ft. dist.; and raise a mound of earth
3½ ft. base, 1½ ft. high N. of cor.
- 61.50 Foot of sand ridge 8 ft. high, projects N. 50° W. 3 chs.
and S. 50° E. 3 chs.
- 62.00 Top of sand ridge. Descend.
- 62.50 Foot of sand ridge, bears N. 50° W. and S. 50° E.
- 80.00 Set a quartzite stone 13 x 12 x 10 ins., 9 ins. in the
ground for cor. of secs. 4, 5, 32, and 33, marked with 4
notches on E. and 2 notches on W. edge; dig pits 18 x
18 x 12 ins. in each sec. 5½ ft. dist.; and raise a mound
of earth 4 ft. base, 2 ft. high W. of cor.
Land, nearly level.
Soil, gravelly; 4th rate.
No timber.

NORTH BOUNDARY T. 1 N., R. 19 W.

Chains.

West bet. sec. 5 and 32,

Over nearly level land.

40.00

Set a quartzite stone 15 x 6 x 4 ins., 10 ins. in the ground for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

46.71

Intersect Utah-Nevada Bdy. line at south 9.78 chs. from the 32d mile corner on said boundary, which is an aspen stake 4 x 4 ins., 3 ft. above ground, set in mound of earth 5 ft. base, $1\frac{1}{2}$ ft. high, marked Utah on E, Nevada on W. 32 M on S., W 37 on N. face.

Set a sawed pine post 4 ins. sq., 3 ft. long, 24 ins. in the ground for closing cor. Tps. 1 and 2 N. R. 19 W. marked

C C R 19 W U on E.

T 2 N S 32 on N.

T 1 N S 5 on S., and

N on W. face, with 6 grooves on N.E. and S. faces.

dig pits 30 x 24 x 12 ins. crosswise on each line

N. and S. 4 ft., and E. of stone 8 ft. dist.; and raise a mound of earth 5 ft. base $2\frac{1}{2}$ ft. high E. of cor.

Land, nearly level.

Soil, rocky; 4th rate.

No timber.

August 22, 1908.

For general description see notes of the subdivision of this township.

U.S. Deputy Surveyor.

BOUNDARIES OF T. 1 N. R. 1 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Lines Designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N.	S.	E.	W.
North Boundary	East	366.71	chs.	chs.	chs.	chs.
East Boundary	South	480.00	.....	480.00	.....	.....
Salt Lake Base	West	369.26	.....	.....	.....	369.26
Utah-Nevada Bdy.	N.0°32'E.	90.15	90.15	.....	.84	.....
Utah Nevada Bdy.	North	390.22	390.22	.....	.....	.....
Convergency					.56	.....
T o t a l s			480.37	480.00	368.11	369.26
			480.00	480.00	368.11	
Error in lat.and dep.		.37				1.15

Robert E. L. Collins

U.S. Deputy Surveyor.

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BOUNDARIES OF T. 1 N., R. 19 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Lines Designated	True Bearing	Dist.	Latitudes, Departures,			
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
North boundary	East	366.71	.....	.....	366.71	.....
East boundary	South	480.00	.....	480.00	.....	.....
Salt Lake Base	West	369.26	.....	.....	.....	369.26
Utah-N vada Bdy.	N.0° 32'E.	90.15	90.15	.....	....84	.....
Utah-N vada Bdy.	North	390.22	390.22	.....	.....	.....
Convergency					.56	
T o t a l s			480.37	480.00	368.11	369.26
			480.00			368.11
Error in lat. and dep.			.37			1.15

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 _____, the lines and corners described in the foregoing field notes of the survey of _____

_____ the respective capacities in which they acted:

_____ list of names and final oaths of assistants see book "K", Chainman.

_____ 2 S. R. 17 W. _____, Chainman.

_____ _____, Moundman.

_____ _____, Moundman.

_____ _____, Arman.

_____ _____, Arman.

_____ _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____ _____, United States Deputy Surveyor, in surveying all
 _____ parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented
 _____ foregoing field notes as having been surveyed by him and under his direction; and that said survey
 _____ n in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 _____ monuments established, according to the instructions furnished by the United States Surveyor
 _____ l for _____

_____ _____, Chainman.

_____ _____, Chainman.

_____ _____, Moundman.

_____ _____, Moundman.

_____ _____, Arman.

_____ _____, Arman.

_____ _____, Flagman.

_____ bed and sworn to before me this _____ }
 _____ of _____, 190 _____ }

XXXXXX
 X SLAL X
 XXXXXX

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for _____, bearing date of
_____ day of _____, 190 _____, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Survey
General for _____, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of _____

For final affidavit see book "K" T. 2 S., R. 17 W.

_____ of the
_____ meridian, in the _____ of _____, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further
swear that all the corners of said survey have been established and perpetuated in strict accordance
the Manual of Surveying Instructions, and the special written instructions of the United States Survey
General for _____ and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

Robert E. L. Collier
United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190 _____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, 1908

The foregoing field notes of the survey of the North Boundary of Township No. 1
North, Range No. 18 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E. L. Collier
under his contract No. 301, dated March 5, 1908, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Thomas A. Hill
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
_____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-346

D. 19

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 12 1908



SUBDIVISION

OF

TOWNSHIP NO. 1 NORTH

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND Meridian,

UTAH,

AS SURVEYED BY

Robert E.L. Collier, United States Deputy Surveyor,

er his Contract No. 301, dated March 5, 1908.

ey commenced August 22, 1908.

ey completed August 28, 1908.

46-76-53

2. 45-27

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BOOK A-346

NAMES AND DUTIES OF ASSISTANTS.

.....Ralph Gentry,.....Chairman.

.....David Sharp Jr.,.....Chairman.

.....R. Harold Browne,.....Moundman.

.....Ralph M. Wind,.....Flagman.

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BOOK A-346

INDEX DIAGRAM.

Township 1 North, Range 19 West

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Gentry and David Sharp Jr.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey Subdivision of Tps. 1 N. and 1 S., R. 19 W.; and Tp. 2 S., Rs. 17, 18 and 19 W. of the Salt Lake Base and Meridian, Utah.

Ralph Gentry, Chainman
David Sharp Jr., Chainman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry J. Matthews
Notary Public

WE, I. R. Harold Browne and

do solemnly swear that ~~I~~^{me} will well and truly perform the duties of moundmen^a in the establishment of corners, according to the instructions given us, to the best of ~~our~~^{my} skill and ability, in the survey of the Subdivision of Tps. 1 N. and 1 S., R. 19 W.; and Tp. 2 S., Rs. 17, 18, and 19 W. of the Salt Lake Base and Meridian, Utah.

I. R. Harold Browne, Moundman
 _____, Moundman

Subscribed and sworn to before me this 17th

day of August, 1908



Henry J. Matthews
Notary Public

WE, _____ and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____ Axman.

_____ Axman

Subscribed and sworn to before me this _____

day of _____, 190 _____



I, Ralph M. Wind

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Subdivision of Tps. 1 N. and 1 S., R. 19 W.; and Tp. 2 S., Rs. 17, 18, and 19 W. of the Salt Lake Base and Meridian, Utah.

Ralph M. Wind, Flagman.

Subscribed and sworn to before me this 17th

day of August, 1908



Henry J. Matthews
Notary Public

SUBDIVISION OF T. 1 N., R. 19 W.

Chains. Survey commenced Aug. 22, 1908, and executed with the instrument described in book "A" of this survey.

At the standard cor. of Tp. 1 N., Rs. 18 and 19 W., heretofore described, lat. $40^{\circ} 46' 04''$ N.; long. $113^{\circ} 57' 18''$ W. at 9 h. 24 m. p.m. by my watch, which is 3 m. slow of local mean time I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Aug. 23: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west, and mark the meridian thus determined by a nail driven in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is N. $17^{\circ} 45'$ W. which gives the mag. decl. $17^{\circ} 45'$ E.

From standard Tp. cor. already described I run on re-tracement line north along E. bdy. of sec. 36; and at 40.00 chs. intersect the $\frac{1}{4}$ sec. cor., which is a limestone 5 x 8 x 7 ins. above ground, firmly set and marked and witnessed as described by the surveyor general; and at 80.04 chs. intersect the cor. of secs. 25, 30, 31, and 36, which is a limestone 6 x 7 x 5 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. The course of this line is therefore north as stated by the surveyor general, and my chaining practically agrees with the field notes of the original survey.

I proceed to the standard cor. of secs. 35 and 36 on S. bdy. of Tp., established by myself and heretofore described, and turn 90° to the north from tangent.

Thence I run

N. $0^{\circ} 01'$ W. bet. secs. 35 and 36,

SUBDIVISION OF T. 1 N., R. 19 W.

Chains. over gravelly bench land.

- 1.31 Cross road bearing E. and W.
 4.00 Leave bench land; and begin ascent bearing E. and W.
 10.00 Foot of spur, projects N. 60° E.
 15.00 Barren draining SE.
 Begin slight ascent.
 30.00 Begin ascent over rocky ridge, bearing E. & W.
 40.00 Set a limestone 24 x 12 x 6 ins., 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

This cor. falls at foot of rocky slope.

- 44.00 Precipitous ascent, up which I cannot chain; set a flag on line at top of precipice, then measure a base line N. 39° 59' E. 10.00 chs. to a point, whence the flag bears N. 38° 14' W. From the flag the E. end of base line bears S. 58° 14' E. By separate measurement of each angle they are found to be respectively 40°; 61° 47'; and 58° 13'; their sum being 180°. I then compute the distance to the top of precipice as follows:

$$\frac{\sin 61^{\circ} 47'}{\sin 58^{\circ} 13'} \times \text{base}, \text{ or } \frac{.9827 \times 10}{.850} \text{ equals } 11.64 \text{ chs.}$$

which added to 44.00 chs. makes

- 55.64 Top of rocky precipice, about 150 ft. above $\frac{1}{4}$ sec. cor.

- 55.34 Precipitous descent, down which I cannot chain. Set a flag on line at the bottom of slope; then measure a base line from flag S. 78° 13' W. 15.00 chs., whence the flag bears N. 40° 11' E. From the flag the W. end of the base line bears S. 40° 11' W. By separate measurements of each angle they are found to be respectively 101° 48'; 38° 02'; and 40° 10', their sum being 180°. I then compute the distance to the flag at bottom of rocky slope as follows:

$$\frac{\sin 38.02}{\sin 40^{\circ} 10'} \times \text{base}, \text{ or } \frac{.616 \times 15}{.645} \text{ equals } 14.33 \text{ chs.}$$

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SUBDIVISION OF T. 1 N., R. 19 W.

Chains.

which added to 56.34 chs., equals

70.67 Flag at bottom of precipice and at base of spur projecting S.; thence along W. foot of spur.

80.00 Set a quartzite porphyry stone 24 x 12 x 8 ins., 18 ins. in the ground for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and E. edges; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, mountainous.

Soil, gravelly 4th rate.

No timber.

Mountainous land 76.00 chs.

East on a random line bet. secs. 25 and 36,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 25, 30, 31, and 36, which is a limestone heretofore described.

Thence I. run

S. 89° 58' W. on true line bet. secs. 25 and 36,

Ascending E. face of rocky ridge.

10.00 Top of ridge bearing N. and S.; thence along ridge.

14.00 Begin ascent E. side of spur, projecting NW.

22.00 Top of spur; about 150 ft. above sec. cor. Descend.

27.50 Begin descent over NW. face of ridge, bearing NW. and SE.

40.03 Set a limestone 18 x 7 x 7 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable. This $\frac{1}{4}$ sec. cor. about 150 ft. below spur.

50.00 W. foot of ridge bearing N. and S.

Thence over gravelly land sloping S.

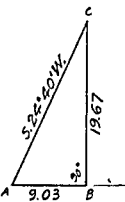
61.00 Wash, drains south.

62.00 Ascend E. side of very steep spur projecting S.

74.20 Top of spur, about 200 ft. above wash.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.	Descend along W. side of spur.
77.00	Foot of spur bears N. and S.
80.06	The cor. of secs. 25, 26, 35, and 36. 125 ft. below spur. Land, mountainous. Soil, rocky and gravelly; 4th rate. No timber. Mountainous land 80.06 chs.
N. 0° 01' W. bet. secs. 25 and 26	
	Over bench land, ascending.
4.00	Foot of rugged mountain bears E. and W. Begin very steep ascent.
12.64	Top of rugged spur, projects SE. 350 ft. above sec. cor. From this point I am unable to continue this line; therefore I offset to right by setting flag at foot of mountain. Then set instrument at this flag and turn 90° to the north at point B. and measure a base of 19.67 chs. to point C. Set instrument at point C and measure angle from A to C and find it to be 24° 40'; therefore, $\tan 24^\circ 40' \times 19.67$ gives 9.03 chs., the offset
32.31	On offset on top of small ridge bearing E. and W. Continue on offset, descending.
40.00	90° to the west, over ascending land 9.03 chs. to line bet. secs. 25 and 26, Set a quartzite porphyry stone 24 x 12 x 8 ins. 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. This cor. falls 25 lks. N. of wash draining E. and at E. foot of spur projecting N. Thence along E. foot of spur.
52.00	Leave spur and cross level, gravelly land.
68.00	Ascend E. slope of ridge bearing NE. and SW.
78.50	Top of ridge, bears E. and W. about 50 ft. above $\frac{1}{4}$ sec. cor.



SUBDIVISION OF T. 1 N., R. 19 W.

Chains

80.00 Set a quartzite porphyry stone 18 x 12 x 8 ins., 12 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked with 2 notches on S. and 1 notch on E. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Mountainous land on 80.00 chs.

N. $89^{\circ} 58'$ E. on a random line bet. secs. 24 and 25,

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.04

Intersect E. bdy. of Tp. at the cor. of secs. 19, 24, 25, and 30, which is a limestone 5 x 10 x 8 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. Thence I run

S. $89^{\circ} 58'$ W. on true line bet. secs. 24 and 25,

Over level land.

40.02

Set a limestone 16 x 8 x 6 ins., 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

65.10

Ascend E. face of ridge bearing south about 12 chs.

75.00

Top of ridge bearing N. and S., about 150 ft. above foot.

80.04

The cor. of secs. 23, 24, 25 and 26, 75 ft. below top of spur.

Land, level and mountainous.

Soil, rocky; 4th rate.

No timber.

Mountainous land 14.94 chs.

N. $0^{\circ} 01'$ W. bet. secs. 23 and 24,

Descend

SUBDIVISION OF T. 1 N., R. 19 W.

Chains. Descending over N.side of spur and run along W.foot of spur.

10.00 Foot of spur, bears E. & W.. about 50 ft. below sec. cor.
Thence over land sloping to the NW.

40.00 Set a quartzite porphyry stone 24 x 8 x 8 ins., 18 ins.
in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig
pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W.
of cor.

Corner falls at S. foot of spur projecting N. 20° W.
Thence ascend S. slope of spur.

44.00 Top of spur, about 30 ft. above $\frac{1}{4}$ sec. cor. Desc.

48.00 Foot of spur. Thence along W. foot of ridge.

80.00 Set quartzite porphyry stone 24 x 7 x 4 ins., 18 ins.
in the ground for cor. of secs. 13, 14, 23, and 24, marked
with 3 notches on S. and 1 notch on E. edge; and raise
a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits
impracticable.

This cor. falls at foot of spur, projecting NW.

Land, mountainous.

Soil, gravelly; 4th rate.

No timber.

Mountainous land 80.00 chs.

N. 89° 58' E. on a random line bet. secs. 13 and 24,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect E. bdy. of Tp. 4 lks. N. of cor. of secs. 13, 18
19, and 24, which is a cross (X) on stationary ledge
marked and witnessed as described by the surveyor
general. Thence I run

West on true line bet. secs. 13 and 24,

Descending along W. side of very steep ridge.

28.00 Ravine 8 ft. deep, drains N., at foot of peak.

Ascend slope of limestone spur, which projects N. 30° W.

SUBDIVISION OF T. 1. N., R. 19. W.

- Chains
 32.00 Top of N.end of spur; thence along N.end of spur.
 40.00 Set a limestone 16 x 8 x 7 ins., 11 ins.in the ground
 for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound
 of stone 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor. Pits im-
 practicable. $\frac{1}{4}$ cor.about 100 ft.above ravine.
 This corner falls on the NW.face of spur.
 Thence descend over NW.side of spur.
 52.00 Foot of spur; thence over land sloping N.
 60.00 N.end of spur, bearinging SE. to main ridge.
 66.00 Ravine 5 ft.deep, drains N.
 Ascend over small spur projecting N.
 73.00 Top of spur, bears N. and S.
 80.00 The cor.of secs.13,14,23, and 24.
 Land, mountainous.
 Soil, stony and gravelly; 4th rate.
 No timber..
 Mountainous land 80.00 chs.
-

N.0° 01'W.bet.secs.13 and 14,

Ascending W.side of spur, projecting NW.

- 2.00 Top of spur, projects NW. Descend.
 8.00 Foot of spur.
 40.00 Set a quartzite porphyry stone 12 x 8 x 6 ins., 8 ins.1
 in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face;
 dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.
 dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.
 high W.of cor.
 Thence over bench land sloping NW.
 68.00 Wash 2 ft.deep, 8 lks.wide, drains N.75° W.
 80.00 Set a limestone 18 x 12 x 4 ins., 12 ins. in the
 ground for cor.of secs.11,12,13, and 14, marked with
 4 notches on S. and 1 notch on E.edge; and raise a
 mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits

SUBDIVISION OF T. 1 N., R. 19 W,

Chains. impracticable.

Land, mountainous and level.

Soil, gravelly; 3d rate.

No timber.

Mountainous land 80.00 chs.

40.00

East on a random line bet.secs.12 and 13,
Set temp. $\frac{1}{4}$ sec.cor.

79.96

Intersect E.bdy.of Tp. 24 lks.N.of cor.of secs.7,12,13
and 18, which is a limestone 5 x 8 x 7 ins.above
ground, firmly set and marked and witnessed as de-
scribed by the surveyor general.

Thence I run

N.89° 50'W.on true line bet.secs.12 and 13,
Over level bench land.

39.98

Set a quartzite porphyry stone 16 x 16 x 6 ins., 11 ins.
in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and
raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft.high N.of
cor. Pits impracticable.

79.96

The cor.of secs.11,12,13, and 14.
Land, level with slight slope to NW.
Soil, gravelly; 4th rate.
No timber.

N.0° 01'W.bet.secs.11 and 12,

Over level land.

40.00

Set a quartzite porphyry stone 14 x 12 x 8 ins., 9
ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.
face; and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft.
high W.of cor. Pits impracticable.

This corner falls about 4 chs.W.of the west end of a
spur projecting E.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.

Continue over level land.

80.00 Set a quartzite porphyry stone 15 x 8 x 4 ins., 10 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, marked with 1 notch on E. and 5 notches on S. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, level, with slight slope to the NW.

Soil, gravelly; 3d rate.

No timber.

S. $89^{\circ} 50'$ E. on a random line bet. secs. 1 and 1240.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect E. bdy. of Tp. 23 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is a quartzite stone 5 x 8 x 7 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. Thence I run

N. $89^{\circ} 40'$ W. on a true line bet. secs. 1 and 12,

Over nearly level land.

39.97 Set a quartzite porphyry stone 12 x 8 x 6 ins., 8 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

Thence over level land.

59.10 Wash, drains NW.

77.00 Wash, drains NW.

79.94 The cor. of secs. 1, 2, 11, and 12.

Land, level with slight slope to the NW.

Soil, gravelly; 3d rate.

No timber.

N. $0^{\circ} 01'$ W. on random line bet. secs. 1 and 2,40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.55 Intersect N. bdy. of Tp. 18 lks. E. of the cor. of secs. 1, 2,

SUBDIVISION OF T. 1 N., R 19 W.

- Chains. 35, and 36, established by myself and heretofore described. Thence I run
 S.0° 09' E. on true line bet. secs. 1 and 2,
 Over level land.
- 39.55 Set quartzite porphyry stone 14 x 8 x 4 ins., 9 ins.
 in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
- This corner falls in small ravine draining NW.
 Continue over level land.
- 76.55 Wash 2 ft. deep, 8 lks. wide, drains NW.
- 79.55 The cor. of secs. 1, 2, 11, and 12.
 Land, level, with slight slope to NW.
 Soil, sandy and gravelly; 3d rde.
 No timber.

August 23, 1908.

Aug. 23: At 9 h. 20m. 30s p.m. by my watch which is 3 m.
 slow of local mean time, I observe Polaris at eastern
 elongation in accordance with instructions in the
 Manual, at the standard cor. of secs. 34 and 35 on S.
 bdy. of Tp., established by myself and heretofore de-
 scribed, lat. 40° 46' 04" N.; long. 113° 58' 26" W.,
 and mark a point in the line thus determined by a
 tack driven in a wooden peg set in the ground 4 chs.
 N. of my station.

Aug. 24: At 7 h. 30 m. a.m. I lay off the azimuth of Po-
 laris 1° 34' to the west, and mark the meridian thus
 determined by a nail driven in a wooden peg set in
 the ground west of the point established last night.
 The magnetic bearing of the true meridian is N. 17° 45' W.

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SUBDIVISION OF T. 1 N., R. 19 W.

Chains which gives the mag. decl. $17^{\circ}45'E$.

From said standard corner I run

N. $0^{\circ}02'W$. bet. secs. 34 and 35

Over bench land, sloping SE.

19.50 Wash 5 ft. deep, 18 lks. wide, drains S. $30^{\circ}E$.

40.00 Set a quartzite porphyry stone 24 x 10 x 4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

47.43 Road bears N. $60^{\circ}W$.

56.00 Leave bench land, and begin ascent up W. side of rocky spur, bearing E. and W.

71.00 Top of spur, bears NW. and East; 150 ft. above foot. Descend.

75.00 Foot of spur.

76.00 Small ravine, drains NW.

Ascend S. face of small spur.

77.00 Top of spur, bears NW. about 8 chs.

80.00 Set a quartzite porphyry stone 18 x 12 x 6 ins., 12 ins. in the ground for cor. of secs. 26, 27, 34, and 35, marked 1 notch on S. and 2 notches on E. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Corner falls at N. foot of spur.

Land mountainous and bench land.

Soil, gravelly and stony; 4th rate.

No timber.

Mountainous land 24.00 chs.

East on a random line bet. secs. 26 and 35,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.

- 80.00 Intersect N. and S. line 7 lks. S. of cor. of secs. 25, 26, 35 and 36; thence I run
S. 89° 57' W. on true line bet. secs. 26 and 35,
Over slightly descending mountainous land.
- 6.00 Foot of spur, projects about 10 chs. S.
- 9.00 Top of spur, projects S.
Thence along S. face of ridge.
- 22.00 Top of spur, projects S. 25° W.
Descend.
- 28.00 W. foot of precipice or spur, projects S. 25° W.
Thence over nearly level bench land.
- 40.00 Set a quartz porphyry stone 24 x 6 x 5 ins., 18 ins. in
the ground for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; and
raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Pits impracticable.
- 49.00 Wash 6 ft. deep, 16 lks. wide, drains S.
- 64.00 Begin ascent E. face of spur, bearings N. and S.
- 72.00 Top of spur projects about 25 chs. SW.; thence descend.
- 80.00 The cor. of secs. 26, 27, 34, and 35.
Land, mountainous and level.
Soil, stony and gravelly; 4th rate.
No timber.
Mountainous land 44.00 chs.

N. 0° 02' W. bet. secs. 26 and 27,

Descending into ravine.

- 4.00 Bottom of ravine, 6 ft. deep, drains W.
- 7.00 Ascend over W. end of small spur, bearing E. and W.
- 10.75 Top of spur, projects W. about 6 chs. -- Descend.
- 11.50 Foot of spur.
- 18.00 Begin ascent west slope of rocky ridge bearing NE. and
SE.
- 36.00 Top of ridge. Begin descent on N. face of ridge.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.	
40.00	Set a quartz porphyry stone 24 x 10 x 6 ins., 18 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Corner falls on N. face of ridge.
42.00	N. foot of ridge.
	Thence along W. foot of spur, projects N.
68.00	Begin ascent over W. side of spur.
80.00	Set a quartz porphyry stone 30 x 12 x 8 ins., 22 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, marked with 2 notches on S. and E. edges; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Corner falls on NW. end of spur.
	Land, mountainous.
	Soil, stony and gravelly; 4th rate.
	No timber.
	Mountainous land 80.00 chs.
	N. $89^{\circ} 57'$ E. on a random line bet. secs. 23 and 26,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line 2 lks. N. of the cor. of secs. 23, 24, 25 and 26; thence I run
	S. $89^{\circ} 58'$ W. on a true line bet. secs. 23 and 26,
	Along N. face of spur.
10.00	Begin descent into ravine.
13.00	Ravine 6 ft. deep, drains N.
14.00	Begin ascent steep slope bearing N. and S.
20.25	Top of ridge, bears N. and S.
	Begin descent over W. side of rocky ridge.
26.00	Foot of ridge. Thence over level bench land sloping to the North.

SUBDIVISION OF T.1 N., R. 19 W.

Chains.

- 40.01 Set a quartz porphyry stone 14 x 10 x 7 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
- Thence over bench land.
- 47.00 N. end of spur, projects SE.
- 68.00 Begin ascent over spur, bears N. and S.
- 78.50 Top of spur, bears N. and S.
- Descend.
- 80.02 The cor. of secs. 22, 23, 26, and 27.
- Land, level and mountainous.
- Soil stony and gravelly; 4th rate.
- No timber.
- Mountainous land 38.02 chs.
-
- N. $0^{\circ} 02' W.$ bet. secs. 22 and 23,
- Descend over NW. end of spur.
- 24.00 Foot of spur, projects W.
- Thence over level bench land sloping NW.
- 40.00 Set a quartz porphyry stone 28 x 8 x 6 ins., 21 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- Thence over level land.
- 80.00 Set a quartz porphyry stone 18 x 12 x 6 ins., 12 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked with 3 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
- Land, level, bench land, and mountainous.
- Soil, gravelly; 4th rate.
- No timber.
- Mountainous land 24.00 chs.

SUBDIVISION OF T. 1 N.; R. 19 W.

Chains. N. $89^{\circ} 58' E.$ on a random line bet. secs. 14 and 23,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line 4 lks. N. of the cor. of secs. 13,
 14, 23, and 24. Thence I run
 West on a true line bet. secs. 14 and 23,
 Descend along S. side of spur.
 8.00 W. foot of spur, bears N. and S.
 Thence over bench land, descending.
 25.00 Wash, 3 ft. deep, 6 lks. wide, drains N.
 40.02 Set a quartz porphyry stone 16 x 8 x 6 ins., 11 ins.
 in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of
 cor. Pits impracticable.
 Thence over rolling land.
 48.00 Wash, 2 ft. deep, 5 lks. wide, drains NW.
 80.04 The cor. of secs. 14, 15, 22, and 23.
 Land, mountainous, bench land, and rolling.
 Soil, sandy and gravelly; 3d rate.
 No timber.
 Mountainous land 8.00 chs.

August 24, 1908.

August 24: At 9 h. 16.6 m. by my watch, which is 3 m.
 slow of L.M.T., I observe Polaris at eastern elonga-
 tion, in accordance with instructions in the Manual,
 at the standard cor. of secs. 33 and 34 on S. bdy. of Tp.
 established by myself and heretofore described, lat. 40°
 $40' 46'' 04''$ N.; long. $113^{\circ} 59' 32''$ W., and mark a point
 in the line thus determined by a tack driven in a
 wooden peg set in the ground 4 chs. N. of my station.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.	
	<p>August 25, at 7 h. 30 m.a.m.l.m.t.I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by a nail driven in a wooden peg set in the ground, west of the point established last night.</p> <p>The magnetic bearing of the true meridian is $N. 17^{\circ} 45' W.$ which gives the mag.decl. $N. 17^{\circ} 45' E.$</p> <p>From the standard cor.already described I run</p> <p style="padding-left: 40px;">$N. 0^{\circ} 03' W.$ bet.secs.33 and 34,</p> <p>Along E.face of rocky ridge.</p>
20.01	Begin ascent of rocky ridge bears E. and W.
40.00	<p>Set a limestone $16 \times 14 \times 8$ ins., 11 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable. Corner falls on E.slope of rocky ridge, about 300 ft.above sec.cor.</p>
51.50	Top E.slope of rocky ridge; begin descent over N.end of ridge. about 250 ft.above $\frac{1}{4}$ s ec.cor.
62.00	Foot of ridge bears NW. and SE.
74.05	Wash 4 ft.deep, 8 lks.wide, drains E.about 400 ft.below
80.00	<p>Set a sandstone $20 \times 14 \times 4$ ins., 15 ins.in the ground for cor.of secs.27,28,33, and 34, marked with 1 notch on S. and 3 notches on E.edge; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.</p> <p>Land, mountainous.</p> <p>Soil, rocky; 4th rate.</p> <p>No timber.</p>
	<p>East on a random line bet.secs.27 and 34,</p>
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.10	<p>Intersect N. and S.line 12 lks.S.of the cor.of secs. 26,27,34, and 35. Thence I run</p>

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SUBDIVISION OF T. 1 N., R. 19 W.

Chains.

S. 89° 55' W. on a true line bet. secs. 27 and 34,

Ascending NE. slope of spur.

2.00 Wash 3 ft. deep, 15 lks. wide, drains NW.

3.10 Top of spur, bears NW. and SE.

8.60 Foot of spur; thence over nearly level land sloping to the south.

26.00 Wash 3 ft. deep, 8 lks. wide, drains S.

28.00 Foot of spur, projects about 10 chs. SE.

34.00 Top of spur, bears NW. and SE. Descend.

39.00 Foot of spur.

40.05 Set a limestone 15 x 14 x 6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

42.00 Begin ascent over small spur, projects S. about 12 chs.

49.00 Top of spur; thence descend.

52.00 W. foot of spur, bears N. and S.

52.58 Road, bears N. and S.

56.00 Wash 3 ft. deep, 10 lks. wide, drains S. 20° E.
Thence over rolling bench land.

80.10 The cor. of secs. 27, 28, 33, and 34.

Land, rolling and nearly level.

Soil, gravelly 3d rate.

No timber.

N. 0° 03' W. bet. secs. 27 and 28,

Ascend along E. face of spur, bears N. and S.

34.00 Top of E. face of spur bears E. and W. Descend from spur.

39.00 Foot of spur, bears NW. and SE.

40.00 Set a quartz porphyry stone 20 x 10 x 4 ins., 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Corner falls on NE. foot of spur.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.	Thence over level bench land..
51.75	Road bears N.30° W. and S.30° E.
80.00	Set a quartz porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground for cor. of secs. 21, 22, 27, and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, mountainous and level. Soil, stony and gravelly 4th rate. No timber. Mountainous land 40.00 chs.
40.00	N.89° 55' E. on a random line bet. secs. 22 and 27, Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 10 lks. N. of the cor. of secs. 22, 23, 26, and 27. Thence I run N.89° 59' W. on a true line bet. secs. 22 and 27, Over level bench land.
40.00	Set a quartz porphyry stone 14 x 8 x 6 ins. 9 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of corner.
80.00	The cor. of secs. 21, 22, 27, and 28. Land, level bench land sloping N. Soil, gravelly; 4th rate. No timber.
40.00	N.0° 03' W. bet. secs. 21 and 22, Over bench land. Set a quartz porphyry stone 14 x 7 x 6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; dig

SUBDIVISION OF T. 1 N., R. 19 W.

Chains. pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W.
of cor.

80.00 Set a quartz porphyry stone 20 x 6 x 6 ins., 15 ins. in
the ground for cor. of secs. 15, 16, 21, and 22, marked
T 1 N on NE., and

R 19 W on SE., with 3 notches on S. and E. edges;
dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.;
and raise a mound of earth 4 ft. base, 2 ft. high W.
of cor.

Land, level.

Soil, gravelly; 4th rate.

No timber.

S. $89^{\circ} 59'$ E. on a random line bet. secs. 15 and 22

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line 2 lks. N. of cor. of secs. 14, 15,
22, and 23. Thence I run

West on a true line bet. secs. 15 and 22,

Over level bench land.

40.00 Set a quartz porphyry stone 15 x 8 x 6 ins., 10 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig
pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.;
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N.
of cor.

80.00 The cor. of secs. 15, 16, 21, and 22.

Land, level bench land, sloping N.

Soil, gravelly; 4th rate.

No timber.

August 25, 1908.

August 25: At the cor. of secs. 14, 15, 22, and 23, lat.

$40^{\circ} 48' 14''$ N.; long. $113^{\circ} 59' 35''$ W., at 9 h. 13 m.

SUBDIVISION OF T. 1. N., R. 19 W.

Chains. p.m. by my watch, which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

August 26: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by a nail driven in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is $N. 17^{\circ} 50' W$ which gives the mag. decl. $17^{\circ} 50' E$.

Thence I run

$N. 0^{\circ} 02' W$. bet. secs. 14 and 15,

Over level bench land.

40.00 Set a blue quartzite stone 16 x 16 x 8 ins., 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

80.00 Set a quartz porphyry stone 16 x 8 x 6 ins., 11 ins. in the ground for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. N. and S. of stone $\frac{3}{4}$ ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Land, level.

Soil, gravelly; 4th rate.

No timber.

East on a random line bet. secs. 11 and 14,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line at the cor. of secs. 11, 12, 13, an

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.

and 14. Thence I run

West on a true line bet. secs. 11 and 14,

Over level bench land.

40.03 Set a quartz porphyry stone 12 x 8 x 6 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.06 The cor. of secs. 10, 11, 14, and 15.

Land, level.

Soil, gravelly; 4th rate.

No timber.

N. $0^{\circ} 02' W.$ bet. secs. 10 and 11,

Over level bench land.

19.50 Wash 3 ft. deep, 2 lks. wide, drains NW.

40.00 Set a quartz porphyry stone 14 x 8 x 6 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

51.00 Wash 2 ft. deep, 6 lks. wide, drains NW.

53.00 Wash 2 ft. deep, 7 lks. wide, drains NW.

80.00 Set a quartz porphyry stone 14 x 6 x 6 ins., 9 ins. in the ground for cor. of secs. 2, 3, 10, and 11, marked with 5 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level.

Soil, gravelly and sandy 4th rate.

No timber.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.	East on a random line bet.secs.2 and 11,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.10	Intersect N. and S.line 5 lks.N.of the cor.of secs.1,2,
	11, and 12. Thence I run
	N.89° 58'W.on a true line bet.secs.2 and 11,
	Over level land.
12.50	Wash 3 ft.deep, 8 lks.wide, drains NW.
20.00	Wash 2 ft.deep, 8 lks.wide, drains NW.
35.00	Wash 3 ft.deep, 6 lks.wide, drains NW.
40.05	Set a quartz porphyry stone 18 x 10 x 6 ins., 12 ins.
	in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig
	pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.;
	and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.
	of cor.
49.00	Foot of sand ridge extends NW. 4 chs. and SE. 6 chs.
50.00	Top of sand ridge bears NW. and SE.
51.00	Foot of sand ridge bears NW. and SE.
57.00	Wash 3 ft.deep, 8 lks.wide., drains NW.
80.10	The cor.of secs.2,3,10, and 11.
	Land, level.
	Soil, sandy and gravelly; 4th rate.
	No timber.
<hr/>	
	N.0° 02'W.on random line bet.secs.2 and 3,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.47	Intersect N.bdy.of Tp. 12 lks.E.of the cor.of secs.2,3,
	34 and 35, established by myself and heretofore de-
	scribed. Thence I run
	S.0° 07'E.on a true line bet.secs.2 and 3,
	Over level bench land.
39.47	Set a quartz porphyry stone 16 x 10 x 6 ins., 11 ins.
	in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and
	raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.

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SUBDIVISION OF T. 1 N., R. 19 W.

Chains.
79.47

The cor. of secs. 2, 3, 10 and 11.

Land nearly level.

Soil, gravelly; 4th rate.

No timber.

Noon Aug. 26, 1908.

I return to the cor. of secs. 15, 16, 21, and 22, and continue my line

N. 0° 03' W. bet. secs. 15 and 16,

Over nearly level land.

40.00

Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00

Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, marked with 3 notches on E. and 4 notches on S. edge; dig pits 18 x 18 x 12 ins. each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level.

Soil, gravelly; 4th rate.

No timber.

East on a random line bet. secs. 10 and 15,

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.04

Intersect N. and S. line 4 lks. N. of the cor. of secs. 10, 11, 14, and 15. Thence I run

N. 89° 58' W. on true line bet. secs. 10 and 15

Over nearly level land.

40.02

Set a quartzite porphyry stone 14 x 8 x 5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.

SUBDIVISION OF T. 1 N. R. 19 W.

Chains. high N. of cor.

80.04 The cor. of secs. 9, 10, 15, and 16.

Land, level.

Soil, gravelly; 4th rate.

No timber.

N. 0° 03' W. bet. secs. 9 and 10,

Over nearly level land.

40.00 Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, marked with 3 notches on E. and 5 notches on S. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, level.
Soil, gravelly; 4th rate.
No timber.

S. 89° 58' E. on a random line bet. secs. 3 and 10,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line 2 lks. N. of cor. of secs. 2, 3, 10, and 11. Thence I run

N. 89° 57' W. on true line bet. secs. 3 and 10,

Over nearly level land.

40.03 Set a limestone 22 x 6 x 5 ins., 16 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.
80.06

The cor. of secs. 3, 4, 9, and 10.

Land, level.

Soil, gravelly; 4th rate.

No timber.

N. $0^{\circ} 03' W.$ on random line bet. secs. 3 and 4,

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.37

Intersect N. bdy. of the township at the cor. of secs. 3, 4, 33, and 34, established by myself and heretofore described. Thence I run

S. $0^{\circ} 03' E.$ on true line bet. secs. 3 and 4,

Over nearly level land:

11.37

Wash 2 ft. deep, 10 lks. wide, drains N. $25^{\circ} W.$

39.37

Set a quartzite porphyry stone 15 x 9 x 4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor.

79.37

The cor. of secs. 3, 4, 9, and 10.

Land, level.

Soil, gravelly; 4th rate. August 26, 1908.

No timber.

Aug. 26

Sky overcast during the entire night, observation on Polaris impossible.

Aug. 27: At the standard cor. of secs. 32 and 33 on S. bdy. of Tp., established by myself and heretofore describe I set up my transit on tangent 14.0 lks. S. of cor., and turn 90° to the north.

Thence I run from the corner

N. $0^{\circ} 03' W.$ bet. secs. 32 and 33,

Ascending over bench land.

12.00

Wash 5 ft. deep, 20 lks. wide, drains S. $60^{\circ} E.$

Ascend. over west slope of nearly round peak bearing E. and W.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.

- 20.00 Highest point reached on E.slope. about 150 ft.above standard cor. Descend slightly.
- 27.50 Foot of peak bears E. and W.
Thence along small divide between peak and ridge.
- 38.00 Ravine 4 ft.deep, drains E. Ascend.
- 40.00 Set a limestone 14 x 12 x 8 ins., 9 ins.in the ground, for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.
- 45.00 Highest point reached on E.slope of spur. 50 ft.above $\frac{1}{4}$ sec.cor. Descend.
- 63.50 Foot of spur, projects about 8 chs.NE.
- 75.50 Top of spur projects NE. Descend.
- 80.00 Foot of spur,
Set a limestone 18 x 12 x 8 ins., 12 ins.in the ground for cor.of secs.28,29,32, and 33, marked with 1 notch on S. and 4 notches on E.edges; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high.W.of cor. Pits impracticable.
- Land, mountainous.
- Soil, rocky 4th rate.
- No timber.
- Mountainous land 80.00 chs.

East on a random line bet.secs.28 and 33,

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 70.06 Intersect N. and S.line 9 lks.N.of the cor.of secs.27, 28,33, and 34.
- Thence I run
N.85° 56' W.on true line bet.secs.28 and 33,
Over nearly level land.
- 8.00 Ravine 3 ft.deep drains S.60° E.
Ascend.

-27-

SUBDIVISION OF T. 1 N., R. 19 W.

Chains.
 22.00 Foot of spur, projects N. 8 chs. Ascend.
 29.00 Top of spur, about 75 ft. above sec. cor. Descend.
 33.00 Foot of spur projects S. 25° W. Thence over nearly level land.
 39.98 Set a quartzite porphyry stone 18 x 10 x 4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
 75.00 Foot of spur, projects about 2 chs. NE. Ascend.
 78.00 Top of spur projects NE. Descend.
 79.96 Foot of spur and cor. of secs. 28, 29, 32, and 33.
 Land level and mountainous.
 Soil, gravelly; 4th rate.
 No timber.
 Mountainous land 71.96 chs.

West on true line bet. secs. 29 and 32,
 Ascending over N. slope of spur.

25.00 Top of spur, projects about 12 chs. N.; thence descend over north slope of spur. Spur 350 ft. above sec. cor.
 40.00 Set a limestone 12 x 8 x 6 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable. This cor. about 250 ft. below top of spur.
 43.75 Wash 5 ft. deep, 20 lks. wide, drains N.
 Ascend over small spur, bears N. and S.
 48.30 Top of spur, projects about 5 chs. north; descend.
 48.42 Intersect Utah-Nevada Bdy. line S. 0° 32' W. 10.15 chs.
 from 37th mile corner, established by myself and heretofore described.

Set a limestone 12 x 10 x 7 ins., 8 ins. in the ground for closing cor. of secs. 29 and 32, marked C C U on E. N on W., with 1 groove on S. and 5 grooves on N. face.

SUBDIVISION OF T. 1 N. R. 10 W.

Chains. and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Pits impracticable.
Land, mountainous.

Soil, gravelly; 4th rate.

No timber.

Mountainous land 48.42 chs.

N. $0^{\circ} 03'$ W. bet. secs. 28 and 29,

Descending.

4.00 Foot of rapid descent bears E. and W.

40.00 Set a limestone $14 \times 12 \times 4$ ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits $18 \times 18 \times 12$ ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set a quartzite porphyry stone $18 \times 10 \times 4$ ins., 12 ins. in the ground, for cor. of secs. 20, 21, 28, and 29 marked with 2 notches on S. and 4 notches on E. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Mountainous land 80.00 chs.

S. $89^{\circ} 56'$ E. on a random line bet. secs. 21 and 28,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line at the cor. of secs. 21, 22, 27, and 28. Thence I run

N. $89^{\circ} 56'$ W. on true line bet. secs. 21 and 28,

Over nearly level land.

28.27 Road bears NW. and SE.

39.99 Set a quartzite porphyry stone $14 \times 8 \times 5$ ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$ ins. E. and W. of stone 3 ft. dist.;

-29-

SUBDIVISION OF T. 1 N., R. 19 W.

Chains. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

79.98 The cor. of secs. 20, 21, 28, and 29.

Land, nearly level.

Soil, gravelly; 4th rate.

No timber.

West on true line bet. secs. 20 and 29,

Over mountainous land,

36.00 Foot of limestone spur, projects about 8 chs. NE.

40.00 Set a limestone 24 x 12 x 10 ins., 18 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

44.00 Top of spur, projects NE. about 75 ft. above foot.

47.98 Intersect Utah-Nevada Bdy. line South 8.79 chs. from the 36th mile cor., which is a limestone 14 x 12 x 8 ins. set in a mound of stone 3 ft. base, 2 ft. high, marked Utah on E., Nevada on W., 36 M on S. face.

Set a limestone 14 x 7 x 6 ins., 9 ins. in the ground, for closing cor. of fractional secs. 20 and 29, marked C C U on E., N on W., with 4 grooves on N. and 2 grooves on S. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Pits impracticable.

Land, mountainous.

Soil, gravelly; 4th rate.

No timber.

N. $0^{\circ} 03' W.$ bet. secs. 20 and 21

Over nearly level land.

40.00 Set a limestone 16 x 10 x 5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits imprac-

SURVEY OF TOWN OF W

Chains. ticable.

75.00 Road bears NW. and SE.

76.73 Wash 2 ft. deep, 15 lks. wide, drains NW.

80.00 Set a quartzite porphyry stone 20 x 9 x 4 ins., 15 ins.
in the ground, for cor. of secs. 16, 17, 20, and 21,
marked with 3 notches on S. and 4 notches on E. edge;
dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, nearly level.

Soil, gravelly; 4th rate.

No timber.

S. $89^{\circ} 56' E.$ on a random line bet. secs. 16 and 2140.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line 2 lks. N. of the cor. of secs. 15, 16,
21 and 22. Thence I run

N. $89^{\circ} 55' W.$ on true line bet. secs. 16 and 21,
over nearly level land.

40.00 Set a quartzite porphyry stone 14 x 7 x 4 ins., 9 ins.
in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face;
dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N.
of cor.

80.00 The cor. of secs. 16, 17, 20, and 21.

Land nearly level.

Soil, gravelly; 4th rate. No timber.

West on true line bet. secs. 17 and 20,

Over nearly level land.

2.00 Wash 2 ft. deep, 15 lks. wide, drains N. $5^{\circ} W.$

8.09 Road bears NW. and SE.

40.00 Set a limestone 14 x 8 x 6 ins., 9 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18
x 12 ins. E. and W. of stone 3 ft. dist.; and raise a

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SUBDIVISION OF T. 1 N. R. 1 W.

Chains

47.66

mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Intersect Utah-Nevada Bdy. line at South 8.59 chs. from
 the 35th mile cor., which is a mound of earth 6 ft.
 base, 2 ft. high; post decayed. I set a limestone 24
 x 19 x 8 ins., in center of this mound 18 ins. deep,
 marked U on E, N on W., 35 M on S. face.
 Set a limestone 15 x 8 x 7 ins., 10 ins. in the ground
 for closing cor. of fractional secs. 17 and 20, marked
 C C U on E., N on W., with 3 grooves on N. and S. faces;
 dig pits 24 x 18 x 12 ins. crosswise on each line N. and
 S. 3 ft. and E. of stone 7 ft. dist.; and raise a mound
 of earth 4 ft. base, 2 ft. high E. of cor.

Land, level.

Soil, gravelly; 4th rate.

No timber.

August 27, 1908.

August 27: At the cor. of secs. 16, 17, 20, and 21; lat. 40°
 $48' 40''$ N.; long. $114^{\circ} 01' 52''$ W., at 9 h. 05 m. p.m.
 by my watch which is 3 m. slow of l.m.t. I observe Po-
 laris at eastern elongation in accordance with Manual
 of instructions, and mark a point in the line thus
 determined by a tack driven in a wooden peg set in the
 ground 4 chs. N. of my station.

Aug. 27, 1908.

Aug. 28: At 7 h. 30 m. a.m. I lay off the azimuth of Po-
 laris $1^{\circ} 54'$ to the west and mark the meridian thus
 determined by a tack driven in a wooden peg set in
 the ground west of the point established last night.
 The magnetic bearing of the true meridian is N. $17^{\circ} 50'$ W.
 which gives the mag. decl. $17^{\circ} 50'$ E.

Thence, I run

SUBDIVISION OF T. 1 N., R. 19 W.

Chains. N. $0^{\circ} 03' W.$ bet. secs. 16 and 17;
 Over nearly level land,
 20.00 Wash 2 ft. deep, 10 lks. wide, drains N. $5^{\circ} E.$
 40.00 Set a limestone 16 x 10 x 4 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18
 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a
 mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.00 Set a conglomerate stone 14 x 8 x 6 ins., 9 ins. in the
 ground, for cor. of secs. 8, 9, 16, and 17, marked with
 4 notches on S. and E. edges; dig pits 18 x 18 x 12
 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of
 earth 4 ft. base, 2 ft. high W. of cor.
 Land nearly level.
 Soil, gravelly; 4th rate.
 No timber;

S. $89^{\circ} 55' E.$ on a random line bet. secs. 9 and 16,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect. N. and S. line 4 lks. S. of the cor. of secs. 9, 10,
 15, and 16. Thence I run
 N. $89^{\circ} 57' W.$ on true line bet. secs. 9 and 16,
 Over nearly level land.
 40.01 Set a sandstone 15 x 8 x 5 ins., 10 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18
 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a
 mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 80.02 The cor. of secs. 8, 9, 16, and 17.
 Land, nearly level.
 Soil, gavelly; 4th rate.
 No timber.

West on true line bet. secs. 8 and 17,

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SUBDIVISION OF T. 1 N., R. 19 W.

Chains. Over nearly level land.

40.00 Set a quartzite porphyry stone 20 x 16 x 12 ins., 15 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high N. of cor. Pits impracticable.

47.34 Intersect Utah-Nevada Bdy.line at S.8.79 chs.from the 34th mile cor., which is a sawed pine post 6 ins.sq. 3 ft.above mound of earth 6 ft.base 2 ft.high, scribed W 37 on N., Utah on E., Nevada on W., 34 M on S.face

Set a limestone 20 x 12 x 8 ins., 15 ins.in the ground for closing corner of fractional secs.8 and 17, marked C C U on E., N on W., 2 grooves on N. and 4 grooves on S.faces; dig pits 24 x 18 x 12 ins.crosswise on each line N. and S. 3 ft.and E.of stone 7 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high E.of cor.

Land, nearly level.

Soil, gravelly; 4th rate.

No timber.

N.0° 03'W.bet.secs.8 and 9,

Over nearly level land.

40.00 Set a conglomerate stone 24 x 12 x 4 ins., 18 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W. of cor.

80.00 Set a quartzite porphyry stone 14 x 8 x 6 ins. 9 ins.in the ground for cor.of secs. 4,5,8, and 9, marked with 4 notches on E. and 5 notches on S.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high W.of cor.

Land, nearly level.

SUBDIVISION OF T. 1 N. R. 19 W

Chains.	Soil, gravelly; 4th rate.
	No timber.
<hr/>	
	S.89° 57'E. on a random line bet. secs. 4 and 9,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line at the cor. of secs. 3, 4, 9, and
	10. Thence I run
	N.89° 57'W. on true line bet. secs. 4 and 9,
	Over nearly level land.
40.02	Set a conglomerate stone 12 x 8 x 6 ins., 8 ins in the
	ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits
	18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and
	raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of
	cor.
80.04	The cor. of secs. 4, 5, 8, and 9.
	Land, nearly level.
	Soil, gravelly; 4th rate.
	No timber.
<hr/>	
	N.0° 03'W. on random line bet. secs. 4 and 5
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.30	Intersect N. bdy. of Tp. at the cor. of secs. 4, 5, 32, and
	33, established by myself and heretofore described.
	Thence I run
	S.0° 03'E. on true line bet. secs. 4 and 5,
	Over nearly level land.
39.30	Set a quartzite porphyry stone 14 x 9 x 5 ins., 9 ins.
	in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor
	Pits impracticable.
79.30	The cor. of secs. 4, 5, 8, and 9.
	Land, nearly level.

SUBDIVISION OF T. 1 N., R. 19 W.

Chains Soil, gravelly; 4th rate.

No timber.

West on true line bet. secs. 5 and 8.

Over nearly level land.

40.00 Set a limestone 20 x 14 x 5 ins., 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

47.02 Intersect Utah-Nevada Bdy. line at S. 8.95 chs. from the 33d mile cor., which is a blue limestone 15 x 12 x 8 ins., set in a mound of stone 3 ft. base, 2 ft. high, marked Nevada on W., Utah on S. and 33 on SW. face. Set a limestone 14 x 8 x 6 ins., 9 ins. in the ground for closing cor. of frac. secs. 5 and 8, marked C C U on E., N on W., with 1 groove on N. and 5 grooves on S. faces; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Pits impracticable.

Land, nearly level.

Soil, gravelly; 4th rate.

No timber.

Aug. 28, 1908.

GENERAL DESCRIPTION.

This township is very rough and mountainous in the southeastern and southwestern portions, rolling in the interior, and nearly level in the northern.

The township contains no water. There is no timber. There is a scattering growth of shadscale and greasewood brush, on which sheep graze in winter.

The soil in the mountainous portions is very stony

SUBDIVISION OF T. 1 N., R. 19 W.

and rough; in the interior it is gravelly; and in the northern portion gravelly and sandy. .

The township is unfit for agriculture. There are no settlers in the township. I found no indications of mineral in the township.

Robert E. L. Collins
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

_____ showing the respective capacities in which they acted:

_____ for list of names and final oaths of assistants see book "L", *Chainman*.

_____ T. 2 S., R. 17 W. _____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Arman*.

_____, *Arman*.

_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, *Chainman*.

_____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Arman*.

_____, *Arman*.

_____, *Flagman*.

Subscribed and sworn to before me this _____

day of _____, 190 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of _____ day of _____, 190____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavit see book "L" T. 2 S., R. 17 W.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, 190____

The foregoing field notes of the survey of the subdivisional lines of Township No. 1 North, Range No. 19 West of the Salt Lake Base and Meridian, Utah, _____

executed by _____ Robert E. L. Collier under his contract No. 301, dated _____ March 5, 190____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas H. Bell

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office

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4-679.

BOOK A-346

E

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 16 1908
msb

S O U T H B O U N D A R Y

O F

TOWNSHIP NO. 1 SOUTH

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND Meridian,

U T A H.

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908.

Survey commenced August 30, 1908.

Survey completed August 31, 1908.

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5-29-12

Closing

12-29

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman.

David Sharp Jr., Chairman.

R. Harold Browne, Moundman.

Ralph M. Mind, Flagman.

For preliminary affidavits see book "C" T. 1 N., R. 19 W.

BOOK A-346

INDEX DIAGRAM.

Township 1 South, Range 19 West

6	4	4	2	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31 4	32 4	33 3	34 2	35 2	36 1

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we are measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chain

_____, Chain

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Mound

_____, Mound

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Ax

_____, Ax

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flag

Subscribed and sworn to before me this _____ }
day of _____, 190 }



TH BOUNDARY T. 1 S., R. 19 W.

Chains. Survey commenced Aug. 30, 1908, and executed with the instrument described in book "A" of this survey. . . At the cor: of Tps. 1 and 2 S., Rs. 18 and 19 W., which is a pine stake 2 ins. sq., 1 ft. above ground in pit, marked and witnessed as described by the surveyor general, lat: $40^{\circ} 40' 51''$ N.; long. $113^{\circ} 56' 31''$ W., at 8 h. 53 m. p.m. by my watch which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Aug. 31: At 7 h. 30 m. a. m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by a tack driven in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is N. $18^{\circ} 25'$ W., which gives the mag. decl. $18^{\circ} 25'$ E.

Owing to the fact that this entire salt bed is subject to inundation, being covered at times with water to the depth of 12 ins., or more, and subject to violent winds, I believe that a corner consisting of a deposit, mound of salt and stake in pit would be unsatisfactory, as the water would dissolve the salt and sweep away the mounds and fill the pits with the deposit of salt after evaporation; therefore I have, on the salt bed, set only posts 4 x 4 ins., 3 ft. long, with deposit, and have omitted the pits and mound. From said above described corner I run north bet. secs. 31 and 36 on retracement line and find the distance to be 79.96 chs..

From my N. and S. line I turn 90° to the west, and run West on true line bet. secs. 1 and 36,

SOUTH BOUNDARY T. 1 S., R. 19 W.

Chains. Over level salt land.

40.00 Set a sawed pine post 4 ins.sq., 3 ft.long, with quart
of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.,
marked $\frac{1}{4}$ S. 36 on N. face and 1 on S. face. Pits and
mound impracticable.

80.00 Set a sawed pine post 4 ins. sq., 3 ft. long, with quart
of charcoal, 24 ins.in the ground, for cor. of secs. 1,
2, 35, and 36, marked
T 1 S S 36 on NE.
R 19 W S 1 on SE.
T 2 S S 2 on SW. and
S 35 on NW. face, with 1 notch on N. and 5 notches
on W. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

West bet. secs. 2 and 35,

Over level salt bed.

40.00 Set a sawed pine post 4 ins.sq., 3 ft. long with quart
of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.,
marked $\frac{1}{4}$ S 35 on N. face, and 2 on S. face. Pits and
mound impracticable.

80.00 Set a sawed pine post 4 ins.sq., 3 ft. long, with quart
of charcoal, 24 ins.in the ground, for cor. of secs.
2, 3, 34, and 35, marked
T 1 S S 35 on NE.
R 19 W S 2 on SE.
T 2 S S 3 on SW. . and
S 34 on NW. face, with 2 notches on E. and 4 notch-
es on W. edges. Pits and mound impracticable.

Land, level salt bed.

No timber.

-3-

.OUTH BOUNDARY T. 1 S. R.19 W .

Chains. West bet.secs.3 and 34,
Over level salt bed.

40.00 Set a sawed pine post 4 ins.sq., 3 ft.long, with quart
of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.,
marked $\frac{1}{4}$ S 34 on N.face, and 3 on S.face. Pits and
mound impracticable.

48.00 Leave salt; enter alkali land.

80.00 Set a sawed pine post 4 ins.sq., 3 ft.long, with quart
of charcoal, 24 ins.in the ground, for cor.of secs.
3,4,33, and 34, marked
T 1 S S 34 on NE.
R 19 W S 3 on SE.
T 2 S S 4 on SW, and
S 33 on NW.face, with 3 notches on E. and W.edges;
dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.;
and raise a mound of earth 4 ft.base, 2 ft.high W.
of cor.
Land, level.
Soil, alkali; 4th rate, and salt.
No timber.

West bet.secs.4 and 33,
Over level alkali land.

40.00 Set a pine post 4 ins.sq., 3 ft.long, with quart of
charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., mnd.
 $\frac{1}{4}$ S 33 on N.face, and 4 on S.face; dig pits 18 x 18
x 12 ins.E. and W.of post 3 ft.dist.; and raise a
mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.

80.00 Set a sawed pine post 4 ins.sq., 3 ft.long, with quart
of charcoal, 24 ins.in the ground, for cor.of secs.
4,5,32, and 33, marked
T 1 S S 33 on NE.
R 19 W S 4 on SE.
T 2 S S 5 on SW., and

SOUTH BOUNDARY T. 1 S., R. 19 W.

Chains S 32 on NW. face, with 2 notches on W. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

West bet. secs. 5 and 32,

Over level alkali land.

40.00 Set a sawed pine post 4 ins. sq., 5 ft. long, with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 32 on N. face, and 5 on S. face; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.00 Set a sawed pine post 4 ins. sq., 31 ft. long, with quart of charcoal, 24 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, marked

T 1 S S 32 on NW.

R 19 W S 5 on SE

T 2 S S 6 on SW., and

S 31 on NW. face, with 5 notches on E. and 1 notch on W. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

West bet. secs. 6 and 31,

Over level alkali land.

29.12 Intersect Utah-Nevada Bdy. line, at S. $0^{\circ} 16' W.$ 12.29 chs. from the 44th mile cor., which is a deposit of

SOUTH BOUNDARY T. 1 S.. R. 19 W.

Chains. glass with pits N. and S.. and mound of earth; pine stake 2 ins.sq.. 12 ins.above ground in S.pit, marked and witnessed as described by the surveyor general.

Set a sawed pine post 4 ins.sq., 3 ft.long, with quart of charcoal, 24 ins.in the ground, for closing cor.

Tps.1 and 2 S., R. 19 W., marked

T 1 S S 31 on N.

C C R 19 W U on E.

T 2 S S 6 on S., and

N on W.face, with 6 grooves on N., S. and E.faces; dig pits 30 x 24 x 12 ins.crosswise on each line N. and S.of post 4 ft.and E.of post 8 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high E.of cor.

Land, level.

Soil, alkali; 4th rate..

No timber.

August 31, 1908.

For general description see notes of the subdivision of this township.

BOUNDARIES T. 1 S., R. 19 W.

Latitudes, Departures, and Closing Errors.

Line Designated	True Bearing	Dist.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
Salt Lake Base	East	424.95	.....	.....	424.95	.....
East Boundary	South	480.00	.....	480.00	.....	.....
South Boundary	West	429.12	.....	.....	.....	429.12
Utah-Nevada Bdy.	N.0° 16'E.	173.39	173.39	.....	.80	.....
Utah-Nevada Bdy.	N.0° 12'E.	79.74	79.74	.....	.28	.....
Utah-Nevada Bdy.	N.0° 32'E.	238.81	238.81	.....	2.13	.....
Convergency					.633	
T o t a l s			480.83	480.00	428.79	429.12
			480.00		428.79	
Error in lat. and dep.			0.84			0.33

Robert E. R. Collins
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:
_____ list of names and final oaths of assistants see book "K", *Chainman*.
Tp. 2 S., R. 17 W. _____, *Chainman*.
_____, *Moundman*.
_____, *Moundman*.
_____, *Asman*.
_____, *Asman*.
_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
these parts or portions of the _____

_____ of the _____
_____ meridian, _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
proper monuments established, according to the instructions furnished by the United States Surveyor
General for _____
_____, *Chainman*.
_____, *Chainman*.
_____, *Moundman*.
_____, *Moundman*.
_____, *Asman*.
_____, *Asman*.
_____, *Flagman*.

described and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date _____ day of _____, 190____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavit see book "K" T. 2 S., R. 17 W.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, _____

The foregoing field notes of the survey of the South Boundary of Township 10 South, Range No. 10 East of the Salt Lake Base and Meridian, Utah

executed by _____ Robert E. L. Collier _____ under his contract No. 301, dated _____ March 5, _____, 1908, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Thomas H. ...

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General

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4-679.

BOOK A-346

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP NO. 1 SOUTH,

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND Meridian,

UTAH,

AS SURVEYED BY

Robert E.L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908.

Survey commenced August 31, 1908

Survey completed September 8, 1908.

56-58-02

closing 2-25-98

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman.

David Sharp Jr., Chairman.

R. Harold Browne, Moundman.

Ralph M. Wind, Flagman.

For preliminary affidavits see book "D" Tp. 1 N. R. 19 W.

BOOK A-346

INDEX DIAGRAM.

Township 1 South, Range 19 West

6	14	5	31	4	23	3	14	2	7	1
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7	12	8	30	9	21	10	13	11	6	12
41		40		29		21		12		5
18	39	17	28	16	20	15	11	14	4	13
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36		35		26		18		10		2
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34		33		25		16		9		1
31	33	32	24	33	16	34	8	35	1	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey.

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



SUBDIVISION OF T. 1 S., R. 19 W.

Survey commenced Aug. 31, 1898, and executed with the instrument described in book "A" of this survey. The sky was overcast during entire night; observation on Polaris impossible.

Sept. 1: At the cor. of secs. 1, 2, 35, and 36 on S. bdy. Tp. established by myself and heretofore described, I turn 90° to the north and run

N. 0° 01' W. bet. secs. 35 and 36

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 35 on W. face, and 36 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq. with quart of charcoal, 24 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, marked

T 1 S S 25 on NE.

R 19 W. S 36 on SE.,

S 35 on SW., and

S 26 on NW. face, with 1 notch on S. and E. edges.

Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 25, 30, 31, and 36 being plainly visible I run for said cor.

N. 89° 57' E. on a random line bet. secs. 25 and 36

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect E. bdy. of Tp. at the cor. of secs. 25, 30, 31, and 36, which is marked with deposit of glass with pits and mound; pine stake 2 ins. sq., 12 ins. above ground in SE pit marked and witnessed as described by the surveyor general. Thence I run

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.	S.89° 57' W. on true line bet. secs. 25 and 36, Over level salt bed.
40.00	Set a pine stake 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 25 on N. face, and 36 on S. face. Pits and mound impracticable.
80.00	The cor. of secs. 25, 26, 35, and 36. Land, level salt bed. No timber.
<hr/>	
	N. 0° 01' W. bet. secs. 25 and 26, Over level salt bed.
40.00	Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 26 on W. face, and 25 on E. face. Pits and mound impracticable.
80.00	Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked T 1 S S 24 on NE. R 19 W S 25 on SE. S 26 on SW., and S 23 on NW. face, with 1 notch on E. and 2 notches on S. edge. Pits and mound impracticable. Land, level salt bed. No timber.
<hr/>	
	The cor. of secs. 19, 24, 25, and 30 on E. bdy. of Tp. being plainly visible, I run for said corner, N. 89° 55' E. on a random line bet. secs. 24 and 25,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of Tp. at the cor. of secs. 19, 24, 25, and

SUBDIVISION OF T. 1 S. R. 19 W.

Chains. 30, which is a glass deposit with pits and mound, a pine stake 2 ins.sq., 12 ins.above ground in SE pit, marked and witnessed as described by the surveyor general. Thence I run

S.89° 55'W.on true line bet.secs.24 and 25

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 24 on N.face, and 25 on S.face. Pits and mound impracticable.

80.00 The cor.of secs.23,24,25, and 26.
Land, level salt bed.
No timber.

N.0° 01'W.bet.secs.23 and 24,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S. of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq.,marked $\frac{1}{4}$ S 23 on W.face, and 24 on E.face.

80.00 Deposit a quart of charcoal, 12 ins.in the ground for cor.of secs.13,14,23, and 24; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 1 S S 13 on NE.

R 19 W S 24 on SE.

S 23 on SW., and

S 14 on NW.face, with 1 notch on E. and 3 notches on S.edge.

Land, level.

SUBDIVISION OF T. 1 S., E. 18W.

Chains.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 13, 18, 19, and 24 on E. bdy. of Tp. being plainly visible I run for said corner,

N. 89° 55' E. on a random line bet. secs. 13 and 24

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.98 Intersect E. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, which is a glass deposit, with pits and mound and pine stake 2 ins. sq., 12 ins. above ground, marked and witnessed as described by the surveyor general. Thence I run

S. 89° 55' W. on true line bet. secs. 13 and 24,

Over level salt bed.

32.00 Leave salt; enter alkali land.

39.99 Deposit a quart of glass 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long; 2 ins. sq., 12 ins. in the ground, mkd. $\frac{1}{4}$ S. 13 on N. face and 24 on S. face.

79.98 The cor. of secs. 13, 14, 23, and 24.

Land level.

Soil, alkali; 4th rate; and salt.

No timber.

N. 0° 01' W. bet. secs. 13 and 14,

Over level alkali land.

19.81 Intersect telegraph line bearing N. 88° 34' W. and S. 88° 34' E.

20.50 Intersect Western Pacific R.R. track bearing N. 88° 34' W.

SUBDIVISION T. 1 S., R. 19 W.

Chains. and S.88° 34'E.

23.88 Intersect telephone line bearing N.88° 34'W. and S.88° 34'E.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 14 on W.face, and 13 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.11,12,13, and 14; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 1 S S 12 on NE.

R 19 W S 13 on SE.

S 14 on SW., and

S 11 on NW.face, with 1 notch on E. and 4 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.7,12,13, and 18 on E.bdy.of Tp.being plainly visible, I run for said corner,

N.89° 54'E.on a random line bet.secs.12 and 13,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.98 Intersect E.bdy.of Tp.at the cor.of secs.7,12,13, and 18, which is a glass deposit with pits and mound of earth, a pine stake 2 ins.sq., 12 ins.above ground in SE pit, marked and witnessed as described by the surveyor general. Thence I run

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.	S. 89° 54' W. on true line bet. secs. 12 and 13, over level alkali land.
39.99	Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit. In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked $\frac{1}{4}$ S 12 on N. face, and 13 on S. face.
79.98	The cor. of secs. 11, 12, 13, and 14. Land, level. Soil, alkali; 4th rate. No timber.
<hr/>	
	N. 0° 01' W. bet. secs. 11 and 12, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit. In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked $\frac{1}{4}$ S 11 on W. face, 12 on E. face.
80.00	Deposit a quart of charcoal 12 ins. in the ground for cor. of secs. 1, 2, 11, and 12; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit. In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked T 1 S S 1 on NE. R 19 W S 12 on S E S 11 on SW... and S 2 on NW. face, with 1 notch on E. and 5 notches on S. edge. Land, level. Soil, alkali; 4th rate. No timber.

SUBDIVISION OF T. 1 S., R. 19 W.

- Chains. The cor. of secs. 1, 6, 7, and 12 on E. bdy. of Tp. being plainly visible I run for said corner,
 N. $89^{\circ} 54'$ E. on a random line bet. secs. 1 and 12,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect E. bdy. of Tp. at the cor. of secs. 1, 6, 7, and 12 which is a glass deposit, with pits and mound of earth, and pine stake 2 ins. sq., 12 ins. above ground in SE pit, marked and witnessed as described by the surveyor general.
 Thence I run
 S. $89^{\circ} 54'$ W. on true line bet. secs. 1 and 12,
 Over level alkali land.
 39.98 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor., dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.
 In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
 $\frac{1}{4}$ S 1 on N. face, and 12 on S. face.
 79.96 The cor. of secs. 1, 2, 11, and 12.
 Land level.
 Soil, alkali; 4th rate.
 No timber.

N. $0^{\circ} 01'$ W. bet. secs. 1 and 2,

Over level alkali land.

- 30.00 Enter scattering shadscale and salt grass bearing N. 36° E. and S. 36° W.

- 40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 2 on W. face, and 1 on E. face.

SUBDIVISION OF T. 1 S. R. 19 W.

Chains.
80.17

Intersect Salt Lake Base line 24.28 chs. W. of the cor. of Tp. 1. N., Rs. 18 and 19 W., heretofore described.

Set a quartzite porphyry stone 13 x 7 x 7 ins., 9 ins. in the ground for closing cor. of secs. 1 and 2, marked C C on S., with 1 groove on E. and 5 grooves on W. face; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft., and S. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.

Land, level.

Soil, alkali, 4th rate.

No timber.

Undergrowth scattering shadscale.

Sept. 1: At the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described, lat. $40^{\circ}40'51''$ N. Long. $113^{\circ}58'47''$ W. at 8 h. 45.3 m. by my watch, which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Sept. 1, 1908.

Sept. 2: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ}34'$ to the west and mark the meridian thus determined by a tack drive in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is $N 18^{\circ}15' W.$ which gives the mag. decl. $18^{\circ}15' E.$

Thence I run

$N. 0^{\circ} 02' W.$ bet. secs. 34 and 35,

Over level salt bed.

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SUBDIVISION OF T. 1 S., R. 19 W.

Chains

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ S 34 on W. face, and 35 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked

T 1 S S 26 on NE.

R 19 W S 35 on SE.

S 34 on SW., and

S 27 on NW. face, with 1 notch on S. and 2 notches on E. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 25, 26, 35, and 36 being plainly visible

I run for said corner,

N. 89° 59' E. on a random line bet. secs. 26 and 35,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 25, 26, 35, and 36. Thence I run

S. 89° 59' W. on true line bet. secs. 26 and 35,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 26 on N. face, and 35 on S. face. Pits and mound impracticable.

80.00 The cor. of secs. 26, 27, 34, and 35.

Land, level salt bed.

No timber.

N. 0° 02' W. bet. secs. 26 and 27,

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. Over level salt bed.

20.00 Leave salt; enter alkali land.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 27 on W. face, and 26 on E. face. Pits and mound impracticable.

50.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, marked

T 1 S S 23 on NE.

R 19 W S 26 on S E.

S 27 on SW., and

S 22 on NW. face; with 2 notches on S. and E. edges; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 23, 24, 25 and 26 being plainly visible
I run for said corner,

N. $89^{\circ} 58' E.$ on random line bet. secs. 23 and 26,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

50.02 Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26; thence I run

S. $89^{\circ} 58' W.$ on true line bet. secs. 23 and 26,

Over level alkali land.

40.01 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, mid. $\frac{1}{4}$ S 23 on N. face, 26 on S. face.

50.02 The cor. of secs. 22, 23, 26, and 27.

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Chain

Land, level.

Soil, alkali; 4th rate. No timber.

No timber.

N.0° 02'W.bet.secs.22 and 23,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 22 on W.face, and 23 on E.face.

80.00

Deposit a marked stone 12 ins.in the ground, for cor. of secs.14,15,22, and 23, dig pits 18 x 18 x 12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 1 S S 14 on NE.

R 19 W S 23 on SE.

S 22 on SW., and

S 15 on NW.face, with 2 notches on E. and 3 notches on S.edge.

Land, level.

Soil, alkali; 4th rate. No timber.

The cor.of secs.13,14,23, and 24 being plainly visible

I run for said corner

N.89° 58'E.on a random line bet.secs.14 and 23,

80.04

Intersect N. and S.line at the cor.of secs.13,14,23, and 24. Thence I run

S.89° 58'W.on true line bet.secs.14 and 23,

Over level alkali land,

40.02

Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins. E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.

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Chains.	base, $1\frac{1}{2}$ ft. high over deposit. In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. $\frac{1}{4}$ S 14 on N. face, 23 on S. face.
30.04	The cor. of secs. 14, 15, 22, and 23. Land, level. Soil, alkali; 4th rate. No timber.
	N. $0^{\circ} 02' W.$ bet. secs. 14 and 15, Over level alkali land.
21.90	Intersect telegraph line bears N. $88^{\circ} 34' W.$ and S. $88^{\circ} 34' E.$
22.59	Intersect Western Pacific R.R. track bearing N. $88^{\circ} 34' W.$ and S. $88^{\circ} 34' E.$
26.10	Intersect telephone line bears N. $88^{\circ} 34' W.$ and S. $88^{\circ} 34' E.$
40.00	Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit. In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked $\frac{1}{4}$ S 15 on W. face, 14 on E. face.
80.00	Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 10, 11, 14, and 15; dig pits 18x18x12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit. In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked T 1 S S 11 on NE. R 19 W S. 14 on SE. S 15 on SW., and S 10 on NW. face, with 2 notches on E. and 4 notches on S. edge. Land, level. Soil, alkali; 4th rate. No timber.
	The cor. of secs. 11, 12, 13, and 14 being plainly visible I run for said corner, N. $89^{\circ} 56' E.$ on a random line bet. secs. 11 and 14,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line at the cor. of secs. 11, 12, 13,

D V . ON OF T. 1 S. R. 19 W.

Chains. and 14. Thence I run

S.89° 56'W.on a true line bet.secs.11 and 14,
Over level alkali land.

40.00 Enter small shadscale and salt grass bears NE. & SW.

40.03 Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

$\frac{1}{4}$ S 11 on N.face, and 14 on S.face.

80.06 The cor.of secs.10,11,14, and 15.

Land, level.

Soil, alkali; 4th rate.

Undergrowth shadscale and salt grass. No timber.

N.0° 02'W.bet.secs.10 and 11,

Over level alkali land,small shadscale and salt grass.

40.00 Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$
sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground,marked

$\frac{1}{4}$ S 10 on W.face, and 11 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for
cor.of secs.2,3,10, and 11; dig pits 18 x 18 x 12
ins.in each sec.4 ft.dist.; and raise a mound of
earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

T 1 S S 2 on NE.

R 19 W S 11 on SE.

S 10 on SW ., and

S 3 on NW.face, with 2 notches on E. and 5 notches

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Chains.

on S. edge.

Land, level.

Soil, alkali; 4th rate.

Undergrowth shadscale and salt grass. No timber.

The cor. of secs. 1, 2, 11, and 12 being plainly visible,
I run for said corner.

N. 89° 54' E. on a random line bet. secs. 2 and 11,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect N. and S. line at the cor. of secs. 1, 2, 11, and
12. Thence I run

S. 89° 54' W. on true line bet. secs. 2 and 11,

Over level alkali land.

40.00 Enter small shadscale and salt grass undergrowth, bears
NE. and SW.

40.04 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

 $\frac{1}{4}$ S 2 on N. face, and 11 on S. face.

80.08 The cor. of secs. 2, 3, 10, and 11.

Land, level.

Soil, alkali; 4th rate.

Undergrowth shadscale and salt grass. No timber.

N. 0° 02' W. bet. secs. 2 and 3,

Over level alkali land.

24.00 Begin slight ascent.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$
sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.

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Chains. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 3 on W. face, and 2 on E. face.

47.00 Road bears E. and W.

80.27 Intersect Salt Lake Base line 24.36 chs. west of the standard cor. of secs. 35 and 36, established by myself and heretofore described.

Set a limestone 15 x 8 x 7 ins. 10 ins. in the ground for closing cor. of secs. 2 and 3, and C C on S. 2 grooves on E. and 4 grooves on W. face; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and S. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high S. of cor.

Land nearly level.

Soil, alkali; 4th rate.

No timber.

Sept. 2, 1908.

Sept. 2: At the cor. of secs. 3, 4, 33, and 34 on S. bdy. of Tp., established by myself and heretofore described, lat. $40^{\circ}40'51''$ N.; long. $113^{\circ}59'56''$ W., at 8 h. 41m 24s by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Sept. 3: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ}34'$ to the west and mark the meridian thus determined by a nail driven in a wooden peg set in

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. the ground west of the point established last night.
 The magnetic bearing of the true meridian is N. $18^{\circ}25'$
 W. which gives the mag. decl. $18^{\circ}25'E.$
 Thence I run
 $N.0^{\circ}03'W.$ bet. secs. 33 and 34,
 Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. dig pits $18 \times 18 \times 12$ ins. N. and S. of cor.
 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$
 ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked
 $\frac{1}{4}$ S 33 on W. face, and 34 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for
 cor. of secs. 27, 28, 33, and 34; dig pits $18 \times 18 \times 12$
 ins. in each sec. 4 ft. dist.; and raise a mound of
 earth 4 ft. base 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked
 T 1 S S 27 on NE.
 R 19 W S 34 on SE.,
 S 33 on SW., and
 S 28 on NW. face; with 1 notch on S. and 3 notches
 on E. edge.

Land level.
 Soil, alkali; 4th rate.
 No timber.

The cor. of secs. 26, 27, 34, and 35 being plainly visible
 I run for said corner,
 $N.89^{\circ}58'E.$ on a random line bet. secs. 27 and 34,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 26, 27, 34, and

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SUBDIVISION OF T. 1 S. R. 19 W.

Chains 35. Thence I run

S. 89° 58' W. on true line bet. secs. 27 and 34,

Over level salt bed.

20.00 Leave salt; enter alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for

 $\frac{1}{4}$ sec. cor. dig pits 18 x 18 x 12 ins. E. and W. of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

 $\frac{1}{4}$ S 27 on N. face, and 34 on S. face.

80.00 The cor. of secs. 27, 28, 33, and 34.

Land, level.

Soil, alkali; 4th rate; and salt.

No timber.

N. 0° 03' W. bet. secs. 27 and 28,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$

sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.

4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground marked

 $\frac{1}{4}$ S 28 on W. face, and 27 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for

cor. of secs. 21, 22, 27, and 28; dig pits 18 x 18 x 12

ins. in each sec. $5\frac{1}{4}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 1 S S 22 on NE.

R 19 W S 27 on SE.

S 28 on SW., and

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. 21 on NW. face; with 2 notches on S. and 3 notches on E. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 22, 23, 26, and 27 being plainly visible,
I run for said corner,

N. $89^{\circ} 58'$ E. on a random line bet. secs. 22 and 27,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 22, 23, 26, and 27. Thence I run

S. $59^{\circ} 58'$ W. on a true line bet. secs. 22 and 27,
Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 22 on N. face, and 27 on S. face.

80.00 The cor. of secs. 21, 22, 27, and 28.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. $0^{\circ} 03'$ W. bet. secs. 21 and 22,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

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Chains. ins.in the ground; marked
 $\frac{1}{4}$ S 21 on W.face, and 22 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground for
 cor.of secs.15,16,21, and 22; dig pits 18 x 18 x 12
 ins.in each sec.4 ft.dist.; and raise a mound of
 earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 T 1 S S.15 on NE.
 R 19 W S 22 on SE.
 S 21 on SW., and
 S 16 on NW.face; with 3 notches on S. and E.edges.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

The cor.of secs.14,15,22, and 23 being plainly visible
 I run for said corner,
 N.89° 57'E.on a random line bet.secs.15 and 22,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.14,15,22,
 and 23. Thence I run
 S.89° 57'W.on true line bet.secs.15 and 22,
 Over level alkali land.

40.00 Deposit a marked stone 12 ins.in the ground, for $\frac{1}{4}$ sec.
 cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.
 dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.
 high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 $\frac{1}{4}$ S 15 on N.face, and 22 on S.face.

80.00 The cor.of secs.15,16,21, and 22.

SUBDIVISION OF T. 1 S. R. 19 W.

Chains.	Land, level. Soil, alkali; 4th rate. No timber.
23.99	N.0° 03'W.bet.secs.15 and 16, Intersect telegraph line bears N.88° 34'W. and S.88° 34'E.
24.68	Intersect Western Pacific R.R.track bearing N.88° 34'W. and S.88° 34'E.
28.15	Intersect telephone line bearing N.88° 34'W. and S.88° 34'E.
40.00	Deposit a quart of glass 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 16 on W.face, and 15 on E.face.
80.00	Deposit a quart of glass 12 ins.in the ground, for cor. of secs.9,10,15, and 16; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 1 S S 10 on NE. R 19 W S 15 on SE. S 16 on SW., and S 9 on NW.face; with 4 notches on S. and 3 notches on E.edge. Land, level. Soil, alkali; 4th rate. No timber.

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Chains.	The cor.of secs.10,11,14, and 15 being plainly visible I run for said corner N.89° 56'E.on a random line bet.secs.10 and 15,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run S.89° 56'W.on true line bet.secs.10 and 15, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18' x 18' x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 10 on N.face, and 15 on S.face.
80.00	The cor.of secs.9,10,15, and 16. Land, level. Soil, alkali; 4th rate. No timber.
	N.0° 03'W.bet.secs.9 and 10, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 9 on W.face, and 10 on E.face.
62.00	Begin slight ascent bearing NE. and SW.
80.00	Deposit a quart of charcoal 12ins.in the ground for cor. of secs.3,4,9, and 10; dig pits 18' x 18' x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.

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Chains. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 1 S 3 on NW.

R 19 E S 10 on SE.

S 9 on SW., and

S 4 on NE. face; with 3 notches on E. and 5 notches on S. edge.

Land, nearly level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 2, 3, 10, and 11 being plainly visible

I run for said corner,

N. 89° 54' E. on a random line bet. secs. 3 and 10,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

60.02 Intersect N. and S. line at the cor. of secs. 2, 3, 10, and 11. Thence I run

S. 89° 54' W. on a true line bet. secs. 3 and 10,
Over level alkali land.

40.00 Begin slight ascent bearing NE. and SW.

40.01 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 12 x 12 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{4}$ ft. base, $1\frac{1}{4}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 3 on N. face, and 10 on S. face.

20.02 The cor. of secs. 3, 4, 9, and 10.

Land, nearly level.

Soil, alkali; 4th rate.

No timber.

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Chains. N.0° 03' W. bet. secs. 3 and 4,
Over slightly ascending bench land.

2.91 Road bears N.45° E. and S.45° W.

26.00 Foot of spur bears NW. and SE.
Ascend.

40.00 Top of spur bearing S.20° W, and N.20° E.,
Set a limestone 18 x 9 x 6 ins., 12 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound
of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits imprac-
ticable. This cor. about 350 ft. above foot of spur.

60.00 Lowest part reached on W. slope.
Ascend.

61.50 Top of spur bears N.20° W. and S.20° E. 50 ft. above $\frac{1}{4}$
Desec. cor. Descend gently.

74.00 Ravine 15 ft. deep, drains S.45° E.
Ascend.

80.38 Intersect Salt Lake Base line 24.34 chs. W. of St. cor.,
of secs. 34 and 35, established by myself and hereto-
fore described.
Set a limestone 17 x 8 x 5 ins., 12 ins. in the ground,
for closing cor. of secs. 3, and 4, mkd. Q on S. with 3
grooves on E. and W. faces, and raise a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high S. of cor. Pits impracticable.
Land bench land, or mountainous.
Soil, rocky 4th rate.
No timber.
Mountainous land 54.38 chs.

Sept. 3, 1908.

Sept. 3: At the cor. of secs. 4, 5, 32 and 33 on S. bdy. of
Tp., established by myself and heretofore described,
lat. 40° 40' 51" N.; long. 114° 01' 05" W., at 8 h.

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Chains.	<p>37.5 m. p.m. by my watch which is 3 m. slow of l.m.t. I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.</p>
40.00	<p>Sept. 4: At 7 h. 30 m. a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west, and mark the meridian thus determined by a tack drive in a wooden peg set in the ground west of the point established last night.</p> <p>The magnetic bearing of the true meridian is N. $18^{\circ} 15'$ W. which gives the mag. decl. N. $18^{\circ} 15'$ E.</p> <p>Thence I run</p> <p style="padding-left: 40px;">N. $0^{\circ} 03'$ W. bet. secs. 32 and 33,</p> <p>Over level alkali land.</p> <p>Deposit a quart of glass 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.</p>
80.00	<p>In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked</p> <p style="padding-left: 40px;">$\frac{1}{2}$ S 32 on W. face, and 33 on E. face.</p> <p>Deposit a quart of charcoal 12 ins. in the ground for cor. of secs. 28, 29, 32, and 33; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.</p> <p>In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked</p> <p style="padding-left: 40px;">T 1 S S 28 on NE.</p> <p style="padding-left: 40px;">R 19 W S 33 on SE.</p> <p style="padding-left: 40px;">S 32 on SW., and</p> <p style="padding-left: 40px;">S 29 on NW. face; with 1 notch on S. and 4 notches</p>

SUBDIVISION OF T. 11 S., R. 19 W.

Chains. on E. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 27, 28, 33, and 34 being plainly visible
I run for said corner,

N. $89^{\circ} 57'$ E. on a random line bet. secs. 28 and 33,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line at the cor. of secs. 27, 28, 33,
and 34. Thence I run

S. $89^{\circ} 57'$ W. on true line bet. secs. 28 and 33,

Over level alkali land.

39.99 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$
sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.
4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$
ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

$\frac{1}{4}$ S 28 on N. face, and 33 on S. face.

79.98 The cor. of secs. 28, 29, 32, and 33.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. $0^{\circ} 03'$ W. bet. secs. 28 and 29,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.
4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$
ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.	in the ground, marked $\frac{1}{4}$ S 29 on W.face, and 28 on E.face.
80.00	Deposit a quart of charcoal 12ins.in the ground for cor. of secs.20,21,28, and 29; dig pits 18 x 18 x 12 ins. in each sec. 4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 1 S S 21 on NE. R 19 W S 28 on SE. S 29 on SW., and S 20 on NW.face; with 2 notches.on S. and 4 notches on E.edge. Land, level. Soil, alkali; 4th rate. No timber.
	The cor.of secs.21,22,27, and 28 being plainly visible I run for said corner, N.89° 57'E.on a random line bet.secs.21 and 28, 40.00 Set temp. $\frac{1}{4}$ sec.cor. 79.98 Intersect N. and S.line at the cor.of secs.21,22,27, and 28. Thence I run S.89° 57'W.on true line bet.secs. 21 and 28, Over level alkali land. 39.99 Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18x18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long; 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 21 on N.face, and 28 on S.face. 79.98 The cor.of secs.20,21, 28, and 29.

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. Land, level.

Soil, alkali; 4th rate.

No timber.

N.0° 03' W. bet. secs. 20 and 21,

Over level alkali land.

40.00 Enter scattering shadscale and salt grass.

Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$

sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.

$\frac{1}{4}$ ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 20 on W. face, and 21 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for

cor. of secs. 16, 17, 20, and 21; dig pits 18 x 18 x 12

ins. in each sec. $\frac{1}{4}$ ft. dist.; and raise a mound of earth

$\frac{1}{4}$ ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground marked

T 1 S S 16 on NE.

R 19 W S 21 on SE.

S 20 on SW., and

S 17 on NW. face; with 4 notches on E. and 3 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

Undergrowth shadscale and salt grass.

The cor. of secs. 15, 16, 21, and 22 being plainly visible

I run for said corner,

SUBDIVISION OF T₁.1 S., R. 19 W.

Chains. N.89° 56'E.on a random line bet.secs.16 and 21
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.96 Intersect N. and S.line at the cor.of secs.15,16,21,
 and 22. Thence I run
 S.89° 56'W.on a true line bet.secs.16 and 21,
 Over level alkali land.
 39.98 Enter scattering shadscale and salt grass, bears NE.
 and SW.
 Deposit a quart of charcoal 12ins.in the ground for $\frac{1}{4}$
 sec.cor.; dig pits 18 x 18' x 12 ins.E. and W.of cor.
 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
 ft.high over deposit.
 In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 $\frac{1}{4}$ S 16 on N.face, and 21 on S.face.
 79.96 The cor.of secs.16,17,20, and 21.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

N80° 03'W.bet.secs.16 and 17,
 Over level alkali land.
 26.08 Intersect telegraph line bears N.88° 34'W. and S.88° 34'
 E.
 26.77 Intersect Western Pacific R.R.track, bearing N.88° 34'
 W. and S.88° 34'E.
 30.28 Intersect telephone line bears N.88° 34'W.and S.88° 34'
 E.
 40.00 Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$
 sec.cor.; dig pits 18 x 18' x 12 ins.N. and S.of cor.
 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
 ft.high over deposit.
 In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

SUBDIVISION OF T. 1 S. R. 1 W.

Chains. ins.in the ground, marked

$\frac{1}{2}$ S 17 on W.face, and 16 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground for
cor.of secs.8,9,16, and 17; dig pits 18 x 18 x 12
ins.in each sec.4 ft.dist.; and raise a mound of earth
4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

T 1 S S 9 on NE.

R 19 W S 16 on SE

S 17 on SW., and

S 8 on NW.face, with 4 notches on S. and E.edges.

Land, level:

Soil, alkali; 4th rate. No timber.

Sept.4: At this cor.at 8 h. 33 m.36 s p.m.by my watch
which is 3 m. slow of l.m.t. I observe Polaris at
eastern elongation in accordance with instructions in
the Manual, and mark a point in the line thus deter-
mined by a tack driven in a wooden peg set in the
ground 4 chs.N.of my station.Lat.40°44'20" N.; long.
114°01'05" W.

Sept.5: At 7 h. 30m.a.m.I lay off the azimuth of Po-
laris 1° 34' to the west, and mark the meridian thus
determined by a tack driven in a wooden peg set in the
ground west of the point established last night.

The magnetic bearing of the true meridian is N.18°15'W.

which gives the mag.decl. 18°15'E.

In sight thence cor.of secs.9,10,15 and 16 and run

N.89°55'E.on random line bet.secs.9 and 16,

40.00 Set temp. $\frac{1}{2}$ sec.cor.

79.94 Intersect N. and S.line at the cor.of secs.9,10,15, and
16.Thence I run

S.89° 55'W.on true line bet.secs.9 and 16,

Over level alkali land; through scattering undergrowth.

39.97 Deposit a quart of charcoal 12 ins.in the ground, for

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.	<p>$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.</p> <p>In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground mkd.$\frac{1}{4}$ S 9 on N.face, 16 on S.face.</p>
79.94	<p>The cor.of secs.8,9,16, and 17.</p> <p>Land, level.</p> <p>Soil, alkali; 4th rate.</p> <p>No timber. Undergrowth greasewood and salt grass.</p>
<p>N.0° 03'W.bet.secs.8 and 9,</p> <p>Over level alkali land,through scattering greasewood.</p>	
3.30	Wagon road bears NE. and SW.
5.00	Foot of limestone spur,bears NW. and SW. Ascend over spur.
35.25	Top of spur bears N.20° W. and S.20° W., 550 ft.above foot. Descend.
40.00	Set a limestone 24 x 11 x 8 ins., 18 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
	Ascend gently over small ridge,main ridge bears E. and W.
44.39	Top of ridge; descend along W.face of ridge.
	Salt spring bears N.85° E. 34.65 chs.drains southeasterly
54.00	Wash 12 ft.deep,20 lks.wide, drains E. Ascend.
64.00	Top of E.end of slope of spur of main ridge bears N.20° W. Descend.
77.00	Foot of slope between ridges bear E. and W. Thence over bench land.
80.00	Set a limestone 16 x 8 x 5 ins., 11 ins.in the ground for cor.of secs.4,5,8, and 9,marked with 4 notches on E.and 5 notches on S.edge;raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land, mountainous and bench land.
	Soil, alkali and rocky; 4th rate.
	No timber. Undergrowth greasewood and salt grass.

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Chains. Mountainous land 75.00 chs.

N. 89° 55' E. on a random line bet. secs. 4 and 9,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line 2 lks. S. of cor. of secs. 3, 4, 9,
 and 10. Thence I run
 S. 89° 54' W. on true line bet. secs. 4 and 9,
 Over slightly ascending land; through scattering shad-
 scale and salt grass.
 1.77 Wagon road bears NE. and SW.
 39.96 Set a limestone 13 x 10 x 4 ins. 9 ins. in the ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of
 stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
 59.00 Foot of spur bears N. and S.; ascend.
 73.00 Top of north face of spur, projects about 7 chs. NW. about
 1125 ft. above foot. Thence along N. face.
 73.50 Begin descent bearing N. and S.
 78.00 Foot of spur bears N. and S.
 79.92 The cor. of secs. 4, 5, 8, and 9.
 Land, mountainous.
 Soil, rocky; 3d rate. No timber.
 Undergrowth shadscale and salt grass.

N. 0° 03' W. bet. secs. 4 and 5,

Over slightly ascending land:

12.00 Wash 5 ft. deep, 12 lks. wide, drains N. 60° E.
 13.00 Foot of low round hill bears E. and W. about 10 chs. wide.
 14.00 Top of round hill; thence along top.
 20.50 Begin descent bearing E. and W.
 24.00 Foot of hill bears E. and W., 50 ft. below top.
 26.00 Wash 3 ft. deep, 10 lks. wide, drains E. Ascend.
 40.00 Set a limestone 14 x 12 x 7 ins., 9 ins. in the ground,
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x
 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 50.75 Road bears NE. and SW.
 70.00 Wash 2 ft. deep, 8 lks. wide, drains SE.
 80.48 Intersect Salt Lake Base line 24225 chs. west of the S
 standard cor. of secs. 33 and 34, established by myself
 and heretofore described.

Set a quartzite porphyry stone 14 x 12 x 5 ins., 9 ins.
 in the ground for closing cor. of secs. 4 and 5, marked
 S C on S. face, with 4 grooves on E. and 2 grooves on
 W. face; dig pits 24 x 18 x 12 ins. crosswise on each
 line E. and W. $\frac{3}{4}$ ft., and S. of stone 7 ft. dist.; and
 raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
 Land, rolling.

Soil, gravelly; 3d rate.

No timber.

Sept. 5, 1908.

Sept. 6: At the cor. of secs. 5, 6, 31 & 32 on S. bdy. of Tp., es-
 tablished by myself and heretofore described; lat. 40°
 $40' 51''$ N.; long. $114^{\circ} 21' 13''$ W., at 8 h. 26 m. p.m.
 by my watch which is 3 m. slow of l.m.t. I observe Po-
 laris at eastern elongation, in accordance with Manu-
 al of Instructions, and mark a point on the line thus
 determined by a tack driven in a wooden peg set in
 the ground 4 chs. N. of my station.

Sept. 7: At 7 h. 30 m. a.m. I lay off the azimuth of Po-
 laris $1^{\circ} 34'$ to the west and mark the meridian thus
 determined by a tack driven in a wooden peg set in
 the ground west of the point established last night.
 The magnetic bearing of the true meridian is N. $18^{\circ} 15'$ W.
 which gives the mag. decl. $18^{\circ} 15'$ E.

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SUBDIVISION OF T. 1 S. R. 1 W.

Chains. Thence I run

N. 0° 04' W. bet. secs. 31 and 32,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.
 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$
 ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

$\frac{1}{4}$ S 31 on W. face, and 32 on E. face.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for cor. of secs. 29,
 30, 31, and 32, marked

T 1 S S 29 on NE.

R 19 W S 32 on SE.

S 31 on SW., and

S 30 on NW. face; with 1 notch on S. and 5 notches
 on E. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$
 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft.
 high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

East on random line bet. secs. 29 and 32,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line 8 lks. S. of the cor. of secs. 28,
 29, 32. and 33. Thence I run

S. 89° 57' W. on a true line bet. secs. 29 and 32,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.
 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{2}$ S 29 on N.face, and 32 on S.face.

80.00 The cor.of secs.29,30,31, and 32.

Land, level.

Soil, alkali; 4th rate.

No timber.

West on true line bet.secs.30 and 31,
Over level alkali land.

28.46 Intersect Utah-Nevada Bdy.line N.0°16'W.12.20 chs.from
the 43d mile cor.on said bdy., which is a mound of
earth with pine stake 2 ft.long 2 ins.sq. 1 ft.above
ground (in pit) marked and witnessed as described
by the surveyor general.

Set a sawed pine post 3 ft.long, 4 ins.sq., with quart
of charcoal 24 ins.in the ground, for closing cor.of
fractional secs.30 and 31, marked

C C T 1 S R 19 W on E.

S 30 on N.

S 31 on S.

U on E. and N.on W.face, with 5 grooves on N. and
1 groove on S.face; dig pits 24 x 18 x 12 ins.cross-
wise on each line N. and S.3 ft.and E.of stone 7 ft.
dist.; and raise a mound of earth 4 ft.base, 2 ft.
high E.of cor.

Land, level.

Soil, alkali; 4th rate. No timber.

N.0° 04'W.bet.secs.29 and 30,
Over level alkali land.

40.00 Enter scattering shadscale and salt grass.

Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{2}$

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.	sec.cor.;; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 30 on W.face, and 29 on E.face.
80.00	Set a pine post 30 ft.long, 4 ins.sq., with quart of charcoal. coal, 24 ins.in the ground, for cor.of secs.19,20,29 and 30; mark pits 18 x 18 x 12 ins.in each sec. T 1 S S 20 on NE. R 19 W S 29 on SE. S 30 on SW., and S 19 on NW.face; with 2 notches on S. and 5 notches on E.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land, level. Soil, alkali; 4th rate. No timber.
40.00	N. $89^{\circ} 57'$ E. on a random line bet.secs.20 and 29 Set temp. $\frac{1}{2}$ sec.cor.
80.02	Intersect N. and S.line 2 lks.S.of the cor.of secs.20, 21, 28 and 29. Thence I run, over level alkali land. S. $89^{\circ} 56'$ W. on true line bet.secs.20 and 29,
35.00	Enter scattering shade oak and salt brush NE. & SW.
40.01	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.;; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 20 on N.face, and 29 on S.face.

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.
80.02

The cor. of secs. 19, 20, 29, and 30.

Land, level.

Soil, alkali; 4th rate.

No timber.

West on true line bet. secs. 19 and 30,

Over level alkali land.

Through scattering shadscale and salt brush.

27.69 Intersect telephone line bears N. 11° E. and S. 11° W.

27.84 Intersect Utah-Nebraska Bdy. line at 12.16 chs. S. 0° 16' W.
of the 42d mile cor., which is a pine post heretofore described.

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal 24 ins. in the ground, for closing cor. of fractional secs. 19 and 30, mark corner S. R. 19 W. on E.

S. 19 on N., and S. 30 on S., U on E. and N. on S.;
W. faces; with 4 grooves on N. and 2 grooves on S. face; dig pits 24 x 18 x 12 ins. crosswise on each line N. and S. 3 ft., and E. of post 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high E. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 04' W. bet. secs. 19 and 20,

Over alkali land; through scattering shadscale and salt brush.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.
59.50 Salt slough 2 ft. deep, 10 lks. wide, drains SE.

74.08 SE Cor. machine shop Western Pacific R.R. 1.5 lks. west
building 20.5 x 76 lks., course of long sides S. 65° W.

76.77 Telephone line bears NE. and SW.

77.46 Main line Western Pacific R.R. at Wendover station, on
curve bears N. 64° 25' E.; end of curve 1.20 chs. E.
Begin slight ascent over gravelly bench.

80.00 Set a limestone 16 x 9 x 7 ins., 11 ins. in the ground,
for cor. of secs. 17, 18, 19, and 20, marked with 3 notches
on S. and 5 notches on E. edge; and raise a mound of
stone 2 ft. base, 1½ ft. high W. of cor. Pits impracti-
cable.

NW Cor. station house 24 x 42 lks.; at Wendover,
Western Pacific R.R. Co., bears S. 40° 22' W.
5.48 chs. dist; course of long sides S. 64° W.
Center north bent of tank frame bears S. 27° 30' E.
2.43 chs.
S.E. Cor. frame building 24.5 x 55 lks., bears N. 80°
20' W. 3.06 chs. dist.

Land, level.

Soil, alkali; 4th rate.

No timber.

Undergrowth shadscale and salt brush.

N. 89° 56' E. on a random line bet. secs. 17 and 20,

40.00 Set temp. ¼ sec. cor.

80.04 Intersect N. and S. line at the cor. of secs. 16, 17, 20,
and 21. Thence I run
S. 89° 56' W. on true line bet. secs. 17 and 20,
Over level alkali land; through scattering shadscale
and salt brush.

40.02 Deposit a quart of charcoal 12 ins. in the ground, for ¼
sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.
4 ft. dist.; and raise a mound of earth 3½ ft. base, 1½

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in ground, mark S. 17° on N. face, and 20° on S. face.
 74.41 Telegraph line bears SW. and NE.
 75.10 Main line Western Pacific Ry. bears SW. and NE.
 80.04 The cor. of secs. 17, 18, 19, and 20.

Land, level.

Soil, alkali; 4th rate.

No timber.

Undergrowth shadscale and salt brush. Sept. 7, 1908.

Sept 7: At the cor. of secs. 17, 18, 19 and 20, lat. $40^{\circ}43'27.5''$ N.; long. $114^{\circ}03'13''$ W., at 8 h. 22 m. p.m. by my watch which is 3 m. slow of l.m.t. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Sept. 8: At 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ}34'$ to the west, and mark the meridian thus determined by a tack driven in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is $N.18^{\circ}15'W.$ which gives the mag. decl. $18^{\circ}15E.$

Thence I run

West on true line bet. secs. 18 and 19,

Over nearly level bench land; through scattering shadscale brush.

3.06 Intersect E. end of frame cabin 30 x 36 lks. 3 lks. from NE Cor. bears $N.25^{\circ}W.$

3.13 Intersect N. side of frame cabin 6.4 lks. from NE Cor. bears $N.65^{\circ}W.$

8.95 Telephone line bears $N.80^{\circ}E.$ and $S.80^{\circ}W.$

SUBDIVISION OF T. 1 S., R. 19 W.

Chains.	
11.07	Road bears NE. and SW.
11.90	Road bears NW. and SE.
19.75	Road bears N. and S.
21.00	Foot of limestone spur bears N.45° W.
23.15	Telephone line bears N. and S.
25.00	Top of spur.
	Thence nearly level.
27.42	Intersect Utah-Nevada Bdy. line S.0° 12' W. 11.93 chs. from the 41st. mile cor., heretofore described.
	Set a limestone 22 x 7 x 4 ins., 17 ins. in the ground for closing cor. of fractional secs. 18 and 19, marked C C U on E., N on W., with 3 grooves on N. and S. faces., and raise a mound of stone 2 ft. base, 1½ ft. high E. of cor. Pits impracticable.
	Land, nearly level.
	Soil, gravelly; 3d rate.
	No timber.
	Undergrowth shadscale.
	N.0° 04' W. bet. secs 17 and 18,
	Over slightly ascending, gravelly bench land; through scattering shadscale brush.
1.55	Telephone line bears NW. and SE.
14.10	Road bears N.75° W. and S.75° E.
16.94	Telephone line bears N.80° E.
35.00	Foot of spur about 15 chs. wide, bears E. and W.
	Thence steep ascent.
40.00	Set a limestone 14 x 10 x 5 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
43.00	Top of spur, 100 ft. above ¼ sec. cor. bears N. and S.
	Thence along top, on nearly level land.
60.00	Begin descent over north slope.
63.50	Foot of spur, bears E. and W., 15 ft. below top.

SUBDIVISION OF T. 1 S., R. 19 W.

Chains. Thence slight ascent over bench land.

68.00 Wash 5 ft. deep, 20 lks. wide, drains S. 60° E.

73.66 Road bears E. and W.

80.00 Set a limestone 20 x 14 x 12 ins., 15 ins. in the ground for cor. of secs. 7, 8, 17, and 18, marked with 5 notches on E. and 4 notches on S. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, mountainous and bench.

Soil, gravelly; 3d rate.

No timber.

Undergrowth shadscale.

Mountainous land 45.00 chs.

N. 89° 56' E. on a random line bet. secs. 8 and 17,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. lines 4 lks. S. of cor. of secs. 8, 9, 16 and 17. Thence I run

S. 89° 54' W. on true line bet. secs. 8 and 17,

Over alkali land, level; through shadscale and salt brush.

2.15 Road bears S. 45° W. and N. 45° E.

3.00 Leave salt brush; begin ascent over south end of spur bears SW. and NE.

9.00 Top of limestone spur, projects S. 25° E. 4.50 chs., 150 ft. above sec. cor. Descend.

13.00 Foot of spur bears N. 15° W. and S. 15° E.

Thence over gravelly bench.

34.00 Wash, 4 ft. deep, 20 lks. wide, drains south.

35.00 Foot of limestone spur, projects north 8 chs. Ascend..

40.03 Set a limestone 13 x 11 x 4 ins., 9 ins. in the ground,

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SUBDIVISION OF T. 1 S., R. 19 W.

- Chains for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
- 42.00 Top of N.face of spur, bears N. and S., 125 ft.above foot.
Slight descent.
- 64.00 Foot of spur bears NE. and S.
Thence over nearly level bench.
- 73.55 Road bears N. 45° E. and S. 45° W.
- 80.06 The cor.of secs.7,8,17, and 18.
Land, mountainous and level.
Soil, alkali and gravelly bench; 4th and 3d rate.
No timber.
Undergrowth shadscale and salt brush.
Mountainous land 61.00 chs.

- West on true line bet.secs.7 and 18,
Overnearly level bench land; through shadscale brush.
- 11.60 Wash 3 ft.deep, 12 lks.wide, drains S.
Begin ascent bears N. and S.
- 20.00 Foot of limestone spur, bears S. 20° W. and N. 20° E.
Ascend.
- 25.50 Highest point on S.slope of limestone spur, 500ft.above foot, projecting about 7-10 ft.; slight descent.
- 26.56 Intersect Utah-Nevada Bdy.line at S. 0° 32' W.11.70 chs.
from the 40th mile cor.on said bdy., heretofore described.
- Set a limestone 18 x 8 x 4 ins., 12 ins.in the ground,
for fractional secs.7 and 18, marked C C U on E.
N on W., with 2 grooves on N. and 4 grooves on S.face;
and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high E.of cor.Pits impracticable.
Land, level bench.
Soil, gravelly; 3d rate.
No timber.

SUBDIVISION OF T. 1 S., R. 19 W

Chains. Undergrowth shadscale.

N.0° 04' W. bet. secs. 7 and 8;

Over ascending gravelly bench land; through scattering shadscale brush.

14.50 From this point I see that I shall be unable to chain to top of mountain on line; therefore I leave a flag at this point.

25.50 Foot of limestone spur, bears E. and W.; thence steep ascent.

40.00 Falls on SW. face of spur, where I am unable to set a stone; therefore I mark a cross (X) at this point for $\frac{1}{4}$ sec. cor. and $\frac{1}{4}$ on W. of cross; and build a mound of stone 3 ft. base, 2 ft. high 50 lks. S., as this is nearest point that mound would stand.

I am unable to chain further; therefore return to 14.50 chs., where I left flag. To determine the distance to top of spur I set a flag on line, then measure a base N.63° 15' W. 36 chs. From the west end of the base the flag on spur bears N.58° 27' E. The angles are: 63° 11'; 58° 18'; and 58° 31'; making a total of 180°

a c log sin 58° 31' equals 0.0691

log sin 58° 18' " 9.9298

log 36.00 " 1.5563

log 35.91 " 1.5552

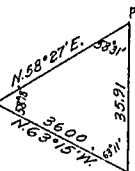
making the whole distance from sec. cor. 14.50 chs. plus 35.91 chs. equals 50.41 chs.

50.41 Top of spur bears N.29° W. and S.20° E. 500 ft. above foot. Thence over nearly level land.

55.67 Begin descent along E. slope of rough limestone spur.

65.50 Ravine 20 ft. deep, drains S.70° E. Ascend.

72.50 Top of spur projects S.70° E. about 30 chs., 75 ft. above



SUBDIVISION OF T. 1 S., R. 19 W.

Chains. Ravined. Descend.

80.00 Set a limestone 14 x 8 x 5 ins., 9 ins. in the ground,
for cor. of secs. 5, 6, 7, and 8, marked with 5 notches
on S. and E. edges; and raise a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, Mountainous and level.

Soil, gravelly; 3d rate.

No timber.

Undergrowth shadscale.

Mountainous land 74.74 chs.

N. 89° 54' E. on a random line bet. secs. 5 and 8,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect N. and S. line at the cor. of secs. 4, 5, 8, and
9. Thence I run

S. 89° 54' W. on true line bet. secs. 5 and 8,

Over slightly ascending land; through shadscale brush.

6.00 Foot of spur, bears N. and S.

Ascend.

20.00 Top of N. slope of spur, projects about 7 chs. north: 75
ft. above foot.

28.00 Foot of spur bears NE. and SW., 50 ft. below top.

30.97 Road bears N. 20° E. and S. 20° W.

40.04 Set a limestone 12 x 12 x 6 ins., 8 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound
of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits im-
practicable. Foot of spur bears N. & S. Ascend over spur.

80.08 The cor. of secs. 5, 6, 7, and 8, 400 ft. above $\frac{1}{4}$ sec. cor.

Land, mountainous and bench.

Soil, gravelly; 3d rate.

No timber.

Undergrowth shadscale.

Mountainous land 74.08 chs.

SUBDIVISION OF T. 1 S. R. 19 W.

Chains.	West on true line bet.secs.6 and 7, Over mountainous land; through scattering shadscale.
3.50	Top of ridge bears N. and S., 100 ft.above sec.cor. Descend.
6.50	Ravine 5 ft.deep, 12 lks.wide drains S.75° W. Descend.
11.50	South slope of small spur from main mountain, projects about 5 chs.S.75° W.
22.80	Ravine 20 ft.deep, 30 lks.wide, drains S.20° W. Ascend.
25.00	Top of small spur projects S.about 5 chs.
25.72	Intersect Utah-Nevada Bdy.line at S.0° 32'W.11.38 chs. from the 39th mile cor.on said bdy. heretofore de- scribed. Set a limestone 24 x 24 x 4 ins., 18 ins.in the ground for closing cor.of fractional secs.6 and 7, marked C C U on E., N on W., with 1 groove on N. and 5 grooves on S.face; and raise a mound of stone 2 ft. base, 1½ ft.high E.of cor.Pits impracticable. Land, mountainous. Soil, gravelly; 3d rate. No timber. Undergrowth shadscale. Mountainous land 25.72 chs.

	N.0° 04'W.bet.secs.5 and 6, Over slightly ascending E.slope of ridge; through scattering shadscale brush.
28.75	Top of spur from main ridge, projects SE. about 30 chs. 100 ft.above sec.cor. Descend.
36.25	Ravine 15 ft.deep, 50 lks.wide, drains S.70° E. Ascend.
40.00	Set a limestone 12 x 9 x 9 ins., 8 ins.in the ground,

SUBDIVISION OF T. 1 S., R. 19 W.

- Chains. for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.
- 41.50 Top of spur bears E. and W., 25 ft.above $\frac{1}{2}$ sec.cor.
Descend over rough E.face of ridge.
- 64.00 Ravine 15 ft.deep, 40 lks.wide, drains N. 70° E., 100 ft. below top of spur. Ascend.
- 66.00 Top of spur, projects about 10 chs.E.
Descend.
- 68.00 Bottom of ravine 10 ft.deep, 35 lks.wide, drains E.
ascend..
- 76.50 Top of spur, projects about 10 chs.S. 70° E., 75 ft.above
Doravine. Descend.
- 80.60 Intersect Salt Lake Base line at west 24.38 chs.from the
standard cor.of secs.32 and 33, established by myself
and heretofore described.
Set a limestone 30 x 10 x 8 ins., 22 ins.in the ground
for closing cor.of secs.5 and 6, marked C C on S.face
1 groove on W.and 5 grooves on E.face, and raise a
mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high S.of cor. Pits
impracticable.
Land mountainous.
Soil, gravelly; 3d rate.
No timber.
Undergrowth shadscale.
Mountainous land 80.60 chs.

Sept.8, 1908.

GENERAL DESCRIPTION

This township is divided into three distinct classes of land, salt, alkali, gravelly bench and mountainous.

The southeastern portion of the township, comprising all of secs.25,35, and 36, the southeastern

SUBDIVISION OF T. 1 S., R. 19 W.

portion secs. 24, 26 and 34 contain a valuable deposit of salt, varying in thickness from one inch to many feet in depth,

The northwestern portion, comprising sections 3, 4, 5, 6, 7, 8, 9, 17, and 18 contains the gravelly bench, sloping to the south and the mountainous land of high, rough, limestone spurs. This portion is covered with a scant growth of shadscale brush, which supplies some feed for sheep in winter. All of the other portions of the township is an alkali flat, the northwestern rim of which is covered with a scant growth of shadscale and salt brush. No portion of the township is fit for agriculture.

There is no water in this township. There is no timber in the township.

The main line of the Western Pacific R.R., a railroad now being constructed from Salt Lake City to San Francisco, passes through sections 13, 14, 15, 16, 17, 19, and 20 of this township. Wendover, a station 121 miles west of Salt Lake City is located in the S.W. cor. sec. 17, S.E. cor. sec. 18, N.E. cor. sec. 19 and N.W. cor. sec. 20. It contains about six dwelling houses, station house, machine shop, tank and about 50 inhabitants, all employees of the railroad, with their families.

There are no other settlers in the township.

Robert E. R. Collins
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

_____ showing the respective capacities in which they acted:

_____ for list of names and final oaths of assistants see book "L", Chainman.

_____ Tp. 2 S., R. 17 W. _____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all
the parts or portions of the _____

_____ of the _____
_____ meridian, _____ of _____, which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

described and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavit see book "L" Tp. 2 S., R. 17 W.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21., 1909.

The foregoing field notes of the survey of the subdivisional lines of Township No. 1 South, Range No. 19 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E. L. Collier under his contract No. 301, dated March 5, 1908, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Thomas H. Smith
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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4-679.

BOOK A-346

G.

FIELD NOTES

OF THE SURVEY OF THE

FILED

OCT 12 1908

SUBDIVISION

OF

TOWNSHIP NO. 2 SOUTH

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND Meridian,

UTAH

AS SURVEYED BY

Robert E.L. Collier, United States Deputy Surveyor,

er his Contract No. 301, dated March 5, 1908.

vey commenced September 10, 1908.

vey completed September 13, 1908.

56-74-79

63-59

Blossing

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman

David Sharp Jr., Chainman.

R. Harold Browne, Moundman.

Ralph M. Wind, Flagman..

For preliminary affidavits see book "I" Tp. 1 N., R. 19 W.

BOOK A-346

INDEX DIAGRAM.

Township 2 South, Range 19 West

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18	37	17	27	16	20	15	13	14	6	13
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33		32		24		17		10		3
31	31	32	23	33	16	34	9	35	2	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190



SUBDIVISION OF T. 2 S., R. 19 W.

Chains. Survey commenced Sept. 10, 1908, and executed with a C.L. Berger & Sons light mountain transit, No. 5778.

The horizontal limb is provided with double verniers placed opposite each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and approved by the Surveyor General for Utah August 12, 1908.

I examine the adjustments of the transit and correct the level and collimation errors.

At the cor. of Tps. 2 and 3 S., Rs. 18 and 19 W., which is a deposit of glass, with pits and md., with stake in pit marked and witnessed as described by the surveyor general; lat. $40^{\circ} 35' 38''$ N.; long. $113^{\circ} 56' 31''$ W., at 8 h. 10 m. p.m. by my watch which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station. Sept. 11: At 8 a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the magnetic bearing of the true meridian is N. $18^{\circ} 15' W.$, which gives the mag. decl. $18^{\circ} 15' E.$

From the township corner already described I retrace north along the E. bdy. of sec. 36, and at 40.00 chs. intersect the $\frac{1}{4}$ sec. cor., which is a glass deposit with pits and mound of earth, with stake in S. pit, marked and witnessed as described by the surveyor general; and at 80 chs. intersect the cor. of secs. 25, 30, 31, and 36, which is a glass deposit with stake and in SE pit, marked and witnessed as described by surveyor general.

SUBDIVISION OF T. 2 S., R. 19 W.

From said township corner I run west along S.bdy.of sec.36, and at 40.01 chs. intersect the $\frac{1}{4}$ sec.cor., which is a deposit of glass with stake in E.pit, marked and witnessed as described by Surveyor General. At 80.03 chs.intersect the cor.of secs.1,2,35, and 36, which is a glass deposit with stake in SE.pit marked and witnessed as described by Sur.General. Therefore the bearings are as stated by the Sur.Gen. and my chaining practically agrees with the original survey.

From the cor.of secs.1,2,35, and 36 on S.bdy of the Tp, heretofore described, I run

N.0°01'W.bet.secs.35 and 36,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., dig pits 18 x 18 x 12 ins. N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ins.sq., 2 ft.long, 12 ins.in the ground, marked,

$\frac{1}{4}$ S 35 on W.face and 36 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.25,26,35, and 36; dig pits 18 x 18x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.square 12 ins.in the ground, marked

T 2 S S 25 on NE.

R 19 W S 36 on SE

S 35 on SW., and

S 26 on NW.face, with 1 notch on S. and E.edges.

Land, level.

Soil, alkaline, 4th rate.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. No timber.

The cor. of secs. 25, 30, 31, and 36 on E. bdy. of Tp. being plainly visible, I run for said cor.

N. 89° 59' E. on random line bet. secs. 25 and 36,

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.02 Intersect the cor. of secs. 25, 30, 31, and 36, which is a glass deposit, with pits and mound; stake in S. pit marked and witnessed as described by the surveyor general. Thence I run

S. 89° 59' W. on true line bet. secs. 25 and 36,

Over level alkali land,

40.01 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ins. sq., 2 ft. long, 12 ins. in the ground, marked

$\frac{1}{4}$ S 25 on N. face, and 36 on S. face.

80.02 The cor. of secs. 25, 26, 35, and 36.

Land, level.

Soil, alkaline; 4th rate.

No timber.

N. 0° 01' W. bet. secs. 25 and 26,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq.,

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. 12 ins. in the ground, marked

$\frac{1}{4}$ S 26 on W. face and 25 on E. face.

80.00 Deposit a quart of charcoal, 12 ins. in the ground, for cor. of secs. 23, 24, 25, and 26,; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 24 on NE.

R 19 W S 25 on SE

S 26 on SW., and

S 23 on NW. face, with 1 notch on E. and 2 notches on S. edges.

Land, level.

Soil, alkaline; 4th rate.

No timber.

The cor. of secs. 19, 24, 25 and 30 on E. bdy. of Tp. being plainly visible, I run for said cor.

N. 89° 59' E. on a random line bet. secs. 24 and 25

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect the cor. of secs. 19, 24, 25, and 30, which is a glass deposit, with pits and mound; stake in SE pit marked and witnessed as described by Sur. General.

Thence I run

S. 89° 59' W. on true line bet. secs. 24 and 25,

Over level alkali land.

40.01 Deposit a quart of charcoal, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

 $\frac{1}{4}$ S 24 on N. face; 25 on S. face.

80.02 The cor. of secs. 23, 24, 25, and 26.

Land, level.

Soil, alkaline; 4th rate.

No timber.

N. 0° 01' W. bet. secs. 23 and 24,

Over level alkali land.

40.00 Deposit a quart of charcoal, 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., dig pits 18 x 18 x 12 ins. N. and S. of
 cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

 $\frac{1}{4}$ S 23 on W. face, and 24 on E. face.

52.00 Leave alkali; enter salt lands.

80.00 Set a pine post 3 ft. long, 4 ins. sq, with quart of
 charcoal, 24 ins. in the ground for cor. of secs. 13, 14, 23
 and 24, marked

T 2 S S 13 on NE.

R 19 W S 24 on SE.

S 23 on SW., and

S 14 on NW. face, with 1 notch on E. and 3 notches
 on S. edges. Pits and mound impracticable.

Land, level.

Soil, alkaline 4th rate, and salt.

No timber.

The cor. of secs. 13, 18, 19 and 24 on E. bdy. of Tp. being
 plainly visible, I run for said cor.

N. 89° 57' E. on random line bet. secs. 13 and 24,

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 80.02 Intersect the cor. of secs. 13, 18, 19, and 24, which is a glass deposit, with pits and mound of earth; stake in SE pit, marked and witnessed as described by the T. Surveyor General. Thence I run
S. $89^{\circ} 57' W.$ on true line bet. secs. 13 and 24,
Over level salt land.
- 40.01 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 13 on N. face and 24 on S. face. Pits and mound impracticable.
- 80.02 The cor. of secs. 13, 14, 23, and 24.
Land, level.
Soil, salt.
No timber.
-
- N. $0^{\circ} 01' W.$ bet. secs. 13 and 14,
Over level salt land.
- 40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 14 on W. face, and 13 on E. face. Mound and pits impracticable.
- 80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 11, 12, 13, and 14, marked
T 2 S S 12 on NE.
R 19 W S 13 on SE.
S 14 on SW., and
S 11 on NW. face, with 1 notch on E. and 4 notches on S. edges. Pits and mound impracticable.
Land, level.
Soil, salt.
No timber.

SUBDIVISION OF T. 2 S., R. 19 W.

- Chains. The cor. of secs. 7, 12, 13, and 18 on E. bdy. of Tp. being plainly visible, I run for said cor.
- N. 89° 57' E. on random line bet. secs. 12 and 13,
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect the cor. of secs. 7, 12, 13, and 18, which is a glass deposit, with pits and mound of earth; stake in SE pit, marked and witnessed as described by Sur. General. Thence I run
- S. 89° 57' W. on true line bet. secs. 12 and 13, Over level salt bed.
- 40.02 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 12 on N. face and 13 on S. face. Mound and pits impracticable.
- 80.04 The cor. of secs. 11, 12, 13, and 14.
- Land, level.
- Soil, salt.
- No timber.
- N. 0° 01' W. bet. secs. 11 and 12, Over level salt bed.
- 40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 11 on W. face, and 12 on E. face. Mound and pits impracticable.
- 80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 1, 2, 11, and 12, marked
- T 2 S S 1 on NE.
- R 19 W S 12 on SE.,
- S 11 on SW., and
- S 2 on NW. face; with 1 notch on E. and 5 notches on S. edge. Pits and mound impracticable.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	Land, level. Soil, salt. No timber.
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	The cor.of secs.1,6,7, and 12 on E.bdy.of Tp.being plainly visible, I run for said corner, N.89° 57'W.on a random line bet.secs.1 and 12,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.06	Intersect the cor.of secs.1,6,7, and 12, which is a glass deposit with pits and mound of earth; stake in SE pit, mkd.and witnessed as described by Sur.General. Thence I run S.89° 57'W.on true line bet.secs.1 and 12, Over level salt bed.
40.03	Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor. marked $\frac{1}{2}$ S 1 on N.face, and 12 on S.face. Mound and pits impracticable.
80.06	The cor.of secs.1,2,11, and 12. Land, level. Soil, salt. No timber.
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	The cor.of secs.1,2,35, and 36 on N.bdy.of Tp.being plainly visible, I run for said cor. N.0° 03'E on random line bet.secs.1 and 2,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.08	Intersect N.bdy.of Tp.at the cor.of secs.1,2,35, and 36, set by me and heretofore described. Thence I run S.0° 03'W.on true line bet.secs.1 and 2, Over level salt bed.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

40.08 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 2 on W.face, and 1 on E.face. Mound and pits impracticable.

80.08 The cor.of secs.1,2,11, and 12.

Land, level salt bed.

Soil, salt.

No timber.

From the cor.of secs.2,3,34, and 35 on S.bdy.of Tp., which is a deposit of glass, with pits and mound of earth; stake in SE pit marked and witnessed as described by Surveyor General. T. 2 S. 19 W.

N.0°02'W.bet.secs.34 and 35,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 34 on W.face, and 35 on E.face.

80.00 Deposit a quart of charcoal 12.ins.in the ground, for cor.of secs.26,27,34, and 35; dig pits 18 x 18 x 12 ins. in each sec., 4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 26 on NE.

R 19 W S 35 on SE.

S 34 on SW., and

S 27 on NW.face, with 2 notches on E. and 1 notch on S.edges.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	<p>Land, level.</p> <p>Soil, alkaline; 4th rate.</p> <p>No timber.</p>
<p>40.00</p> <p>80.00</p> <p>40.00</p> <p>80.00</p>	<p>The cor.of secs.25,26,35, and 36 being plainly visible</p> <p>I run for said corner,</p> <p>N.89° 58'E.on random line bet.secs.26 and 35,</p> <p>Set temp.$\frac{1}{4}$ sec.cor.</p> <p>Intersect the cor.of secs.25,26,35, and 36,</p> <p>Thence I run</p> <p>S.89° 58'W.on true line bet.secs.26 and 35,</p> <p>Over level land.</p> <p>Deposit a quart of charcoal, 12 ins.in the ground, for</p> <p>$\frac{1}{4}$ sec.cor. dig pits 18 x 18 x 12 ins.E. and W.of cor.</p> <p>4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base,</p> <p>$1\frac{1}{2}$ ft.high over deposit.</p> <p>In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12</p> <p>ins.in the ground, marked</p> <p>$\frac{1}{4}$ S 26 on N.face, and $\frac{1}{4}$ S 35 on S.face.</p> <p>The cor.of secs.26,27,34, and 35.</p> <p>Land, level.</p> <p>Soil, alakline; 4th rate.</p> <p>No timber.</p>
40.00	<p>N.0°02'W.bet.secs.26 and 27,</p> <p>Over level land,</p> <p>Deposit a quart of charcoal 12 ins.in the ground, for</p> <p>$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of</p> <p>cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.</p> <p>base, $1\frac{1}{2}$ ft.high over deposit.</p> <p>In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12</p> <p>ins.in the ground, marked</p>

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. $\frac{1}{4}$ S 27 on W. face, and 26 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for
 cor. of secs. 22, 23, 26, and 27,; dig pits 18 x 18 x 12
 ins. in each sec. 4 ft. dist.; and raise a mound of
 earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

T 2 S S 23 on NE.

R 19 W S 26 on SE.

S 27 on SW., and

S 22 on NW. face; with 2 notches on S. and E. edges.

Land, level.

Soil, alkaline; 4th rate.

No timber.

The cor. of secs. 23, 24, 25, and 26 being plainly vis-
 ible, I run for said corner,

N. 89° 58' E. on a random line bet. secs. 23 and 26,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 23, 24, 25,
 and 26. Thence I run

S. 89° 58' W. on a true line bet. secs. 23 and 26,
 over level land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
 cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

$\frac{1}{4}$ S 23 on N. face and 26 on S. face.

80.00 The cor. of secs. 22, 23, 26, and 27.

Land, level.

Soil, alkali; 4th rate.

No timber.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

N. 0° 02' W. bet. secs. 22 and 23,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of
 cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

$\frac{1}{4}$ S 22 on W. face; and 23 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for
 cor. of secs. 14, 15, 22, and 23; dig pits 18 x 18 x 12
 ins. in each sec. 4 ft. dist.; and raise a mound of
 earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq.,
 12 ins. in the ground, marked

T 2 S S 14 on NE.

R 19 W. S 23 on SE.

S 22 on SW., and

S 15 on NW. face; with 2 notches on E. and 3
 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 13, 14, 23, and 24 being plainly visible
 I run for said corner.

N. 89° 58' E. on a random line bet. secs. 14 and 23,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 13, 14, 23,
 and 24. Thence I run

S. 89° 58' W. on true line bet. secs. 14 and 23,

Over level salt bed.

36.00 Leave salt bed; enter alkali land.

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SUBDIVISIONS OF T. 2 S., R. 19 W.

Chains.

40.00

Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 14 on N. face; and 23 on S. face.

80.00

The cor. of secs. 14, 15, 22 and 23,

Land, level.

Soil, salt and alkali. 4th rate.

No timber.

N. 0° 02' W. bet. secs. 14 and 15,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 15 on W. face and 14 on E. face.

65.00

Leave alkali land; enter salt bed.

80.00

Set a pine post 3 ft. long, 4 ins. sq. with quart of charcoal, 24 ins. in the ground for corners of secs. 10, 11, 14, and 15, marked

T 2 S 11 on NE.

R 19 W S 14 on SE.

S 15 on SW., and

S 10 on NW. face; with 2 notches on E. and 4

notches on S. edge. Pits and mound impracticable.

Land, level.

Soil, alkali, 4th rate, and salt.

No timber.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	<p>The cor. of secs. 11, 12, 13 and 14 being plainly visible I run for said corner, N. 89° 58' E. on a random line bet. secs. 11 and 14, Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line at the cor. of secs. 11, 12, 13, and 14. Thence I run S. 89° 58' W. on true line bet. secs. 11 and 14, Over level salt bed.</p>
40.00	
79.98	
39.99	<p>Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 11 on N. face and 14 on S. face. Mound and pits impracticable.</p>
79.98	<p>The cor. of secs. 10, 11, 14, and 15. Land, level. Soil, salt. No timber.</p>
	<p>N. 0° 02' W. bet. secs. 10 and 11, Over level salt bed.</p>
40.00	<p>Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 10 on W. face, and 11 on E. face; Mound and pits impracticable.</p>
80.00	<p>Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 2, 3, and 10, and 11, marked 11 on E. face. T 2 S S 2 on NE. R 19 W S 11 on SE. S 10 on SW., and S 3 on NW. face; with 2 notches on E. and 5 notches on S. edge. Pits and mound impracticable. Land, level salt bed. Soil, salt, No timber.</p>

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. The cor. of secs. 1, 2, 11, and 12 being plainly visible,
I run for said corner,

N. 89° 58' E. on a random line bet. secs. 2 and 11,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line at the cor. of secs. 1, 2, 11, and
12. Thence I run

S. 89° 58' W. on true line bet. secs. 2 and 11,

Over level salt bed.

39.99 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 2 on N. face, and 11 on S. face.

Pits and mound impracticable.

79.98 The cor. of secs. 2, 3, 10, and 11.

Land, level salt bed.

Soil, salt.

No timber.

The cor. of secs. 2, 3, 34, and 35 on N. bdy. of Tp. being
plainly visible, I run for said corner,

N. 0° 02' E. on random line bet. secs. 2 and 3,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.09 Intersect N. bdy. of Tp. at the cor. of secs. 2, 3, 34, and
35, established by myself and heretofore described.

Thence I run

S. 0° 02' W. on true line bet. secs. 2 and 3,

Over level salt bed.

40.09 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 3 on W. face, 2 on E. face.

Pits and mound impracticable.

80.09 The cor. of secs. 2, 3, 10, and 11.

Land, level salt bed.

No timber.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. Sept. 11, 1908, at the cor. of secs. 3, 4, 33 and 34 on S. bdy. of Tp., which is a glass deposit with pits and mound of earth, with pine stake in SE pit, marked and witnessed as described by the surveyor general, latitude $40^{\circ} 35' 38''$ N.; long. $114^{\circ} 01'$ W., at 8 h. 06 m. p.m., by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark the point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Sept. 11, 1908.

Sept. 12, at 7 h. 55 m. a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west, and mark the meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night. The magnetic bearing of the true meridian is $N. 18^{\circ} 15' W.$ which gives the magnetic declination $18^{\circ} 15' E.$

From said corner I run

$N. 0^{\circ} 03' W.$ bet. secs. 33 and 34,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits $18 \times 18 \times 12$ ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 33 on W. face, and 34 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 27, 28, 33, and 34; dig pits $18 \times 18 \times 12$ ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

SUBDIVISION OF T.2 S., R. 19 W.

Chains.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 27 on NE.

R 19 W S 34 on SE.

S 33 on SW., and

S 28 on NW. face, with 1 notch on S. and 3 notches on E. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 26, 27, 34 and 35 being plainly visible

I run for said corner,

N. 89° 57' E. on a random line bet. secs. 27 and 34,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 26, 27, 34, and 35. Thence I run

S. 89° 57' W. on true line bet. secs. 27 and 34,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 27 on N. face; 34 on S. face.

80.00 The cor. of secs. 27, 28, 33, and 34.

Land, level.

Soil, alkaline, 4th rate.

No timber.

N. 0° 03' W. bet. secs. 27 and 28,

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins. N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 28 on W.face, and 27 on E.face.
80.00	Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.21,22,27, and 28; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 22 on NE. R 19 W S 27 on SE. S 28 on SW., and S 21 on NW.face, with 2 notches on S. and 3 notches on E.edge. Land, level. Soil, alkali; 4th rate. No timber.
	The cor.of secs.22,23,26, and 27 being plainly visible, I run for said corner, N.89° 57'E.on a random line bet.secs.22 and 27,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.22,23,26, and 27. Thence I run S.89° 57'W.on true line bet.secs.22 and 27, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the g mound, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.

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SUBDIVISION OF T. 2 S., R. 19 W.

Chains. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 22 on N. face, 27 on S. face.

80.00 The cor. of secs. 21, 22, 27, and 28.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. $0^{\circ} 03'$ W. bet. secs. 21 and 22,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 21 on W. face, and 22 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth $4\frac{1}{2}$ ft. base 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 15 on NE.

R 19 W S 22 on SE.

S 21 on SW., and

S 16 on NW. face; with 3 notches on S. and E. edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 14, 15, 22, and 23 being plainly visible,

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	I run for said corner,
	N.89° 57'E.on a random line bet.secs.15 and 22,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.14,15,22, and 23. Thence I run
	S.89° 57'W.on true line bet.secs.15 and 22,
	Over level alkali land..
40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 15 on N.face, 22 on S.face.
80.00	The cor.of secs.15,16,21, and 22.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
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	N.0° 03'W.bat.secs.15 and 16,
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 16 on W.face, and 15 on E.face.
80.00	Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.9,10,15, and 16; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. T 2 S S 10 on NE.
 R 19 W S 15 on SE.
 S 16 on SW., and
 S 9 on NW. face; with 3 notches on E. and 4 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 10, 11, 14, and 15 being plainly visible
 I run for said corner,

N. 89° 57' E. on a random line bet. secs. 10 and 15,
 Set temp. $\frac{1}{4}$ sec. cor.

Intersect N. and S. line at the cor. of secs. 10, 11, 14,
 and 15. Thence I run over level salt bed,

S. 89° 57' W. on a true line bet. secs. 10 and 15,
 Leave salt; enter alkali land.

Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
 marked $\frac{1}{4}$ S 10 on N. face, 15 on S. face; dig pits 18
 x 18 x 12 ins. E. and W. of post 3 ft. dist.; and raise
 a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

The cor. of secs. 9, 10, 15, and 16,
 Land, level.

Soil, alkali; 4th rate, and salt.

No timber.

N. 0° 03' W. bet. secs. 9 and 10,
 Over level alkali land.

Set a redwood post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
 marked $\frac{1}{4}$ S 9 on W. face, and 10 on E. face; dig pits

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

18 x 18 x 12 ins. N. and S. of post 3 ft. dist.; and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.00 Set a redwood post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for cor. of secs. 3, 4, 9
 and 10, marked
 T 2 S S 3 on NE.
 R 19 W S 10 on SE.
 S 9 on SW., and
 S 4 on NW. face, with 3 notches on E. and 5 notches
 on S. edge; dig pits 18 x 18 x 12 ins. in each sec., $5\frac{1}{2}$
 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft.
 high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 2, 3, 10, and 11 being plainly visible I
 run for said corner,

N. $89^{\circ} 57'$ E. on a random line bet. secs. 3 and 10,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, at the cor. of secs. 2, 3, 10, and
 11. Thence I run

S. $89^{\circ} 57'$ W. on true line bet. secs. 3 and 10,

Over level salt bed.

36.00 Leave salt; enter alkali land.

39.99 Set a redwood post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 3 on N. face, 10 on S. face; dig pits 18 x 18 x 12
 ins. E. and W. of post 3 ft. dist.; and raise a mound of
 earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

79.98 The cor. of secs. 3, 4, 9, and 10.

Land, level.

Soil, salt, and alkali; 4th rate.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. No timber.

The cor. of secs. 3, 4, 33, and 34 on N. bdy. of Tp. being plainly visible, I run for said cor.

N. $0^{\circ} 02' W.$ on random line bet. secs. 3 and 4,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.09 Intersect N. bdy. of Tp. at the cor. of secs. 3, 4, 33, and 34, set by myself, and heretofore described.

Thence I run

S. $0^{\circ} 02' E.$ on true line bet. secs. 3 and 4,
Over level alkali land.

40.09 Set a redwood post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S 4 on W. face, and 3 on E. face; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.09 The cor. of secs. 3, 4, 9, and 10.

Land, level.

Soil, alkali; 4th rate.

No timber.

From the cor. of secs. 4, 5, 32 and 33 on S. bdy. of Tp., which is a deposit of glass, with pits and mound, stake in SE pit, marked and witnessed as described by the surveyor general. I run

N. $0^{\circ} 03' W.$ bet. secs. 32 and 33,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	<p>ins.in the ground, marked</p> <p>$\frac{1}{2}$ S 32 on W.face, and 33 on E.face.</p> <p>80.00 Deposit a quart of charcoal, 12 ins.in the ground, for cor.of secs.28,29,32, and 33, dig pits 18' x 18' x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.</p> <p>In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked</p> <p>T 2 S S 28 on NE</p> <p>R 19 W S 33 on SE.</p> <p>S 32 on SW., and</p> <p>S 29 on NW.face; with 1 notch on S. and 4 notches on E.edge.</p> <p>Land, level.</p> <p>Soil, alkali; 4th rate.</p> <p>No timber.</p>
	<p>The cor.of secs.27,28,33, and 34 being plainly visible I run for said corner,</p> <p>N.89° 55'E.on a random line bet.secs.28 and 33,</p> <p>40.00 Set temp.$\frac{1}{4}$ sec.cor.</p> <p>80.00 Intersect N. and S.line at the cor.of secs.27,28,33, and 34. Thence I run</p> <p>S.89° 55'W.on true line bet.secs.28 and 33,</p> <p>Over level alkali land.</p> <p>40.00 Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18' x 18' x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft.high over deposit.</p> <p>In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked</p> <p>$\frac{1}{4}$ S 28 on N.face, 33 on S.face.</p>

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

80.00

The cor. of secs. 28, 29, 32, and 33.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 03' W. bet. secs. 28 and 29,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 29 on W. face, 28 on E. face.

80.00

Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 20, 21, 28, and 29; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 21 on NE.

R 19 W S 28 on SE

S 29 on SW., and

S 20 on NW. face; with 2 notches on S. and 4 notches on E. edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 21, 22, 27, and 28 being plainly visible

I run for said corner,

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	N.89° 55'E.on a random line bet.secs.21 and 28,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.21,22,27, and 28. Thence I run S.89° 55'W.on a true line bet.secs.21 and 28, Over level alkali land.
39.99	Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 21 on N.face; 28 on S.face.
79.98	The cor.of secs.20,21,28, and 29. Land, level. Soil, alkali; 4th rate. No timber.
	N.0° 03'W.bet.secs.20 and 21, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 20 on W.face, and 21 on E.face.
80.00	Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.16,17,20, and 21; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

SUBDIVISION OF T. 2 S. R. 19 W.

Chains T 2 S S 16 on NE.

R 19 W S 21 on SE.

S 20 on SW., and

S 17 on NW. face; with 4 notches on E. and 3 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 15, 16, 21, and 22 being plainly visible

I run for said corner,

N. 89° 57' E. on a random line bet. secs. 16 and 21,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line at the cor. of secs. 15, 16, 21 and 22. Thence I run

S. 89° 57' W. on true line bet. secs. 16 and 21,

Over level alkali land.

39.99 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 16 on N. face and 21 on S. face.

79.98 The cor. of secs. 16, 17, 20, and 21.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 03' W. bet. secs. 16 and 17

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high over deposit .

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{2}$ S 17 on W.face and 16 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.8,9,16, and 17; dig pits 18 x 18 x 12 ins in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.along, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 9 on NE.

R 19 W S 16 on SE.

S 17 on SW., and

S 8 on NW.face; with 4 notches on E. and S.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.9,10,15, and 16 being plainly visible,
I run for said corner,

N.89° 56'E.on a random line bet.secs.9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.96 Intersect N. and S.line at the cor.of secs.9,10,15,
and 16. Thence I run

S.89° 56'W.on a true line bet.secs.9 and 16,

Over level alkali land.

39.98 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
 $\frac{1}{4}$ S 9' on N.face, and 16' on S.face.

79.96 The cor.of secs.8,9,16, and 17.

Land, level.al alk

Soil, alkali; 4th rate.

No timber.

N.0° 03'W.bet.secs.8 and 9,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
 cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base
 $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 8' on W.face, and 9' on E.face.

80.00 Deposit a quart of glass 12 ins.in the ground for cor.
 of secs.4,5,8, and 9; dig pits 18 x 18 x 12 ins.in
 each sec.4 ft.dist.; and raise a mound of earth 4 ft.
 base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 4 on NE.

R 19 W S 9 on SE.

S 8 on SW., and

S 5 on NW.face., with 4 notches on E. and 5 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.3,4,9, and 10 being plainly visible, I

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	run for said corner,
	N.89° 57'E.on a random line bet.secs.4 and 9,
40.00	Set temp. $\frac{1}{2}$ sec.cor.
79.94	Intersect N. and S.line at the cor.of secs.3,4,9, and 10. Thence I run S.89° 57'W.on a true line bet.secs.4 and 9, Over level alkali land.
39.97	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{2}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S $\frac{1}{4}$ on N.face, and 9 on S.face.
79.94	The cor.of secs.4,5,8, and 9. Land, level. Soil, alkali; 4th rate. No timber.
	The cor.of secs.4,5,32 and 33 on N.bdy of Tp.being plainly visible, I run for said corner, N.0° 02'W.on a random line bet.secs.4 and 5,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.10	Intersect N.bdy.of Tp.at the cor.of secs.4,5,32, and 33 set by myself and heretofore described. Thence I run, S.0° 02'E.on a true line bet.secs.4 and 5, over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

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SUBDIVISION OF T. 2 S., R. 19 W.

Chains. $\frac{1}{2}$ S 5' on W. face, and 4 on E. face.

80.10 The cor. of secs. 4, 5, 8, and 9.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept. 12, 1908.

Sept. 12, at the cor. of secs. 5, 6, 31, and 32, on S. bdy. of Tp., which is a glass deposit, with pits and mound of earth; pine stake in SE pit, marked and witnessed as described by the surveyor general, lat. $40^{\circ} 35' 38''$ N.; long. $114^{\circ} 02'$ W., at 8 h. 02 m. p.m. by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark the point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station.

Sept. 12, 1908.

Sept. 13: At 7 h. 55 m. a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night. The magnetic bearing of the true meridian is $N. 18^{\circ} 15' W.$ which gives the mag. declination $18^{\circ} 15' E.$

From said corner I run

$N. 0^{\circ} 04' W.$ bet. secs. 31 and 32,

Over level land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{2}$ sec. cor.; dig pits $18 \times 18 \times 12$ ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 31 on W.face, and 32 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.29,30,31, and 32; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2.S S 29 on NE.

R 19.W S 32 on SE.

S 31 on SW., and

S 30 on NW.face; with 1 notch on S. and 5 notches on E.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.28,29,32, and 33 being plainly visible,
I run for said corner,

N.89° 55'E.on a random line bet.secs.29 and 32,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.28,29,32, and 33. Thence I run

S.89° 55'W.on true line bet.secs.29 and 32,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 29 on N.face, 32 on S.face.

80.00 The cor.of secs.29,30,31, and 32.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains Land, level.

Soil, alkali; 4th rate.

No timber.

West on true line bet. secs. 30 and 31,

Over level alkali land.

32.05 Intersect Utah-Nevada boundary S. 0° 16' W. of 49th mile corner, which is a glass deposit, with pits and mound of earth; stake in S. pit marked and witnessed as described by the surveyor general.

Deposit a quart of charcoal 12 ins. in the ground for closing corner of fractional secs. 30 and 31; dig pits 24 x 18 x 12 ins. crosswise on each line N.S. and E. of cor. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In N. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

C C T 2 S R 19 W on E.

S 30 on N., and

S 31 on S. face, with 5 grooves on N. and 1 groove on S. face; U on E. and H on W. face.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 04' W. bet. secs. 29 and 30,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{2}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SUBDIVISION OF T. 2. S., R. 19 W.

Chains. 12 ins.in the ground, marked
 $\frac{1}{4}$ S 30 on W.face; and 29 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for
 cor.of secs.19,20,29, and 30; dig pits 18 x 18 x 12
 ins.in each sec.4 ft.dist.; and raise a mound of
 earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 T 2 S S 20 on NE.
 R 19 W S 29 on SE.
 S 30 on SW., and
 S 19 on NW.face; with 5 notches on E. and 2 notch-
 es on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.20,21,28, and 29 being plainly visible
 I run for said corner,
 N.89° 55'E.on a random line bet.secs.20 and 29,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.02 Intersect N. and S.line at the cor.of secs.20,21,28, and
 29. Thence I run
 S.89° 55'W.on true line bet.secs.20 and 29,

Over level land.

40.01 Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
 cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 $\frac{1}{4}$ S 20 on N.face, and 29 on S.face.

80.02 The cor.of secs.19,20,29, and 30.
 Land, level.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.

Soil, alkali; 4th rate.

No timber.

31.44

West on a true line bet. secs. 19 and 30,
Over level alkali land.

Intersect Utah-Nevada Boundary line S. 0° 16' W. 12.80
chs. from the 48th mile corner on said boundary,
which is a deposit of glass with pits and mound of
earth, with stake in S. pit marked and witnessed as
described by the surveyor general.

Deposit a quart of glass 12 ins. in the ground for clos-
ing corner of fractional secs. 19 and 30; dig pits 24
x 18 x 12 ins. crosswise on each line N., S., and E.
of cor. 4 ft. dist.; and raise a mound of earth 4 ft.
base, 2 ft. high over deposit.

In N. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

C C T 2 S R 19 W on E.

S 19 on N., and

S 30 on S. face, with 4 grooves on N. and 2 grooves
on S. face, U on E. and N. on W. face.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 04' W. bet. secs. 19 and 20,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins. in the ground for
½ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of
cor. 4 ft. dist.; and raise a mound of earth 3½ ft.
base 1½ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. ins.in the ground, marked
 $\frac{1}{4}$ S 19 on W., 20 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for
 cor.of secs.17,18,19, and 20; dig pits 18 x 18 x 12
 ins.in each sec.4 ft.dist.; and raise a mound of
 earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 T 2 S S 17 on NE.
 R 19 W S 20 on SE
 S 19 on SW., and
 S 18 on NW.face, with 3 notches on S. and 5 notches
 on E.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.16,17,20, and 21 being plainly visible,
 I run for said corner,
 N.89° 54'E.on a random line bet.secs.17 and 20,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.04 Intersect N. and S.line at the cor.of secs.16,17,20,
 and 21. Thence I run
 S.89° 54'W.on true line bet.secs.17 and 20,
 Over level alkali land.

40.02 Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$
 sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.
 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 $\frac{1}{4}$ S 17 on N.face, and 20 on S.face.

80.04 The cor.of secs.17,18,19, and 20.

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SUBDIVISION OF T. 2 S., R. 19 W.

Chains. Land, level.

Soil, alkali; 4th rate.

No timber.

30.83

West on a true line bet.secs.18 and 19,
Over level alkali land.

Intersect Utah-Nevada Boundary line S.0° 16'W. 12.72
chs.from the 47th mile corner on said boundary.

Deposit a quart of charcoal 12 ins.in the ground for
closing cor.of fractional secs.18 and 19; dig pits
24 x 18 x 12 ins.crosswise on each line N., S., and
E.of cor. 4 ft.dist.; and raise a mound of earth 4
ft.base, 2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

C C T 2 S R 19 W on E.

S 18 on N., and

S 19 on S.face, with 3 grooves on N. and S.faces;
U on E. and N on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

N.0° 04'W.bet.secs.17 and 18,
Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

$\frac{1}{4}$ S 18 on W.face, and 17 on E.face.

SUBDIVISION OF T. 2 S. R. 19 W.

Chains.

80.00

Deposit a quart of charcaol 12 ins.in the ground for cor.of secs. 7, 8, 17, and 18; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 8 on NE.

R 19 W S 17 on SE.

S 18 on SW., and

S 7 on NW.face; with 4 notches on S. and 5 notches on E.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.8,9,16, and 17 being plainly visible,

I run for said corner,

N.89° 54'E.on a random line bet.secs.8 and 17,

40.00

Set temp. $\frac{1}{4}$ sec.cor.

80.04

Intersect N. and S.line at the cor.of secs.8,9,16, and 17. Thence I run

S.89° 54'W.on true line bet.secs.8 and 17,

Over level alkali land.

40.02

Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 8 on N.face; and 17 on S.face.

80.04

The cor.of secs.7,8,17, and 18.

Land, level.

Soil, alkali; 4th rate.

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SUBDIVISION OF T. 2 S., R. 19 W.

Chains. No timber.

30.20

West on a true line bet.secs.7 and 18,
Over level alkali land.
Intersect Utah-Nevada Boundary line S.0° 16'W. 12.61
chs.from the 46th mile corner on said boundary, which
is a deposit of glass with pits and mound of earth,
pine stake in S.pit marked and witnessed as described
by the surveyor general.

Deposit a quart of charcoal 12 ins.in the ground, for
closing cor.of fractional secs.7 and 18; dig pits 24
x 18 x 12 ins.crosswise on each line N., S., and E.
of cor.4 ft.dist.; and raise a mound of earth 4 ft.
base, 2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

C C T 2 S R 19 W on E.

S 7 on N., and

S 18 on S.face, with 2 grooves on N. and 4 grooves
on S.face; U on E. and N.on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

N.0° 04'W.bet.secs.7 and 8,
Over level alkali land.
Deposit a quart of charcoal 12 ins.in the round, for
¼ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
cor.4 ft.dist.; and raise a mound of earth 3½ ft.
base, 1½ ft.high over deposit.

In S.pit drive pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

SUBDIVISION OF T. 2 S., R. 19 W.

chains. $\frac{1}{4}$ S 7 on N. face, and 8 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for cor. of secs. 5, 6, 7, and 8; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 5 on NE.

R 19 W S 8 on SE.

S 7 on SW., and

S 6 on NW. face; with 5 notches on S. and E. edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 4, 5, 8, and 9 being plainly visible, I run for said corner,

N. 89° 52' E. on a random line bet. secs. 5 and 8

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line at the cor. of secs. 4, 5, 8, and 9. Thence I run

S. 89° 52' W. on a true line bet. secs. 5 and 8, over level alkali land.

40.03 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 5 on N. face; and 8 on S. face.

80.05 The cor. of secs. 5, 6, 7, and 8.

Land, level.

Soil, alkali; 4th rate. No timber.

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SUBDIVISION OF T. 2 S., R. 19 W.

Chain . . . West on a true line bet.secs.6 and 7,

Over level alkali land.

29.61 . . . Intersect the Utah-Nevada Boundary line S.0° 16' W.

12.56 chs.from the 45th mile corner on said boundary,
which is a glass deposit, with pits and md.of earth,
pine stake in S.pit marked and witnessed as described
by the surveyor general.

Deposit a quart of charcoal 12 ins.in the ground for
closing cor.of fractional secs.6 and 7; dig pits 24
x 18 x 12 ins.crosswise on each line N., S., and E.of
cor.4 ft.dist.; and raise a mound of earth 4 ft.base
2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

C C T 2 S R 19 W on E.

S 6 on N., and

S 7 on S.face, with 1 groove on N. and 5 grooves

on S.face, U. on E., and N on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.5,6,31, and 32 on N.bdy.of Tp.being
plainly visible, I run for said corner,

N.0° 02' E.on a random line bet.secs.5 and 6,

40.00 Set temp.1/4 sec.cor.

80.18 Intersect N.bdy.of Tp.at the cor.of secs.5,6,31, and 32
The established by myself and heretofore described.

Thence I run

S.0° 02' W.on true line bet.secs.5 and 6,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for
1/4 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

80.18 $\frac{1}{4}$ S 6 on W.face, and 5 on E.face.
The cor.of secs.5,6,7, and 8.
Land, level.

Soil, alkali; 4th rate.

No timber.

Sept.13, 1908.

BOUNDARIES OF T. 2 S., R. 19 W.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line Designated	True Bearing	Dist.	Latitudes				Departures			
			N.		S.		E.		W.	
North Boundary		chs.	chs.	chs.	chs.	chs.	chs.	chs.	chs.	chs.
North Boundary	East	429.12	.....	.....	.....	.....	429.12	.....	.....	.....
East Boundary	South	480.00	.....	.....	480.00	.....	.....	.....	.....	.....
South Boundary	West	432.65	.....	.....	.....	.....	.....	.....	432.65	.....
West Boundary	N.0° 16'E.	480.66	480.66	.....	.....	.....	2.24	.....	.....	.....
Convergency								.53		

T o t a l s 480.66 480.00 431.99 432.65

480.00

431.99

Error in lat. and dep. 0.66

0.66

GENERAL DESCRIPTION.

This township contains only salt and alkali lands. All of sections 1,2,11, 12 and 13, and the E. $\frac{1}{2}$ of secs. 3 3 and 10, N. $\frac{1}{2}$ sec.24, and a small portion in the NE $\frac{1}{4}$ s of secs.15 and 23 contain a deposit of salt varying in thickness from 1 inch to many feet in depth; and from surface indications is of great value, as it seems to be almost pure.

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SUBDIVISION OF T. 2 S. R. 19 W.

The remainder of the township is a barren alkali flat, unfit for any kind of agricultural crops.

I found no indications of mineral, other than the salt. There is no water in the township and no timber. There are no settlers in the township.

Robert E. L. Collins
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
king the lines and corners described in the foregoing field notes of the survey of _____

_____ giving the respective capacities in which they acted:

_____ for list of names and final affidavits of assistants see book "L." _____, *Chainman.*

_____ "L" Tp.2 S., R. 17 W. _____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
e parts or portions of the _____

_____ of the _____
_____ meridian, _____ of _____, which are represented
e foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
er monuments established, according to the instructions furnished by the United States Surveyor
ral for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

_____, *Flagman.*

scribed and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from _____
United States Surveyor General for _____, bearing date _____
day of _____, 190____, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for _____, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of _____

For final affidavit see book "L" Tp. 2 S., R. 17 W.

_____ of the _____
_____ meridian, in the _____ of _____, which are represented
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for _____ and in the specific manner described in the field notes, and
the foregoing are the original field notes of such survey.

Robert E. L. Collier
United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____

OOOOOO
O SEAL O
OOOOOO

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21,

The foregoing field notes of the survey of the subdivisional lines of Township
No. 2 South, Range No. 19 West of the Salt Lake Base and Meridian
Utah,

executed by _____ Robert E. L. Collier
under his contract No. 301, dated _____ March 5, _____ 190____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

James H. McNeill
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
_____ has been correctly copied from the original notes on file in this office.

United States Surveyor General

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4-679.

BOOK A-346

H.

FIELD NOTES

OF THE SURVEY OF THE

FILED

OCT 12 1903

EAST AND SOUTH BOUNDARIES

O F

TOWNSHIP NO. 2 SOUTH

RANGE NO. 18 WEST

Of the ~~SALT LAKE BASE AND~~ Meridian,

U T A H,

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1905, 1908.

Survey commenced September 14, 1908.

Survey completed September 15, 1908.

E. Bdy 6-00-00
S. " 5-77-80

Rollin Gentry Chairman.

David Sharp Jr. Chairman.

R. Harold Browne Moundman.

Ralph M. Wind Flagman.

For preliminary affidavits see book "C" Tp. 1 N R 19 W

BOOK A-346

INDEX DIAGRAM.

Township 2 South, Range 18 West

6	5	4	3	2	1	1
7	8	9	10	11	12	2
18	17	16	15	14	13	2
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30	29	28	27	26	25	3
31	32	33	34	35	36	4
5	6	6	7	8	8.5	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman

_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman

_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



EAST BOUNDARY T. 2 S., R. 18 W.

Chains. Survey commenced Sept. 14, 1908; and executed with a C. L. Berger & Sons light mountain transit No. 5778, for further description of which see book "A" of this survey.

At the cor. of Tps. 1 and 2 S., Rgs. 17 and 18 W. which is a glass deposit with pine stake 2 ins. sq., marked and witnessed as described by the Surveyor general, lat. $40^{\circ}40'51''$ N.; long. $113^{\circ}49'42''$ W., at 7 h. 54 m. p.m. by my watch, which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station.

Sept. 15: At 8 h. a.m. I lay off the azimuth of Polaris $1^{\circ}34'$ to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the magnetic bearing of the true meridian is $N. 18^{\circ}10' W.$ which gives the magnetic decl. $18^{\circ}10' E.$

Thence I run

South bet. secs. 1 and 6

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq. with quart of charcoal, 24 ins. in the salt, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 1 on W. face, 6 on E. face; pits and mound impracticable and cor. of sec. 1 not set.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the salt for cor. of secs. 1, 6, 7, and 12, marked

T 2 S S 6 on NE.

R 17 W. S 7 on SE.

S 12 on SW., and

EAST BOUNDARY T. 2 S., R. 18 W.

Chains. R 18W S 1 on NW face; with 1 notch on N. and 5 notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

South bet. secs. 7 and 12,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 12 on W. face, 7 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 7, 12, 13, and 18, marked

T 2 S S 7 on NE.

R 17 W S 18 on SE.

S 13 on SW., and

R 18W S. 12 on NW. face; with 2 notches on N. and 4 notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

South bet. secs. 13 and 18,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 13 on W. face, 18 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, marked

T 2 S S 18 on NE.

R 17 W S 19 on SE.

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EAST BOUNDARY T. 2 S., R. 18 W.

Chains. S 24 on SW., and
 R. 18 W S 13 on NW. face, with 3 notches on N. and S.
 edges. Pits and mound impracticable.
 Land, level salt bed.
 No timber.

South bet. secs. 19 and 24,
 Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd.
 $\frac{1}{4}$ S 24 on W. face, and 19 on E. face. Pits and mound
 impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for cor. of secs. 19,
 24, 25, and 30, marked
 T 2 S S 19 on NE.
 R 17 W S 30 on SE.
 S. 25 on SW., and
 R 17 W S 24 on NW. face; with 4 notches on N. and
 2 notches on S. edge. Pits and mound impracticable.
 Land, level salt bed.
 No timber.

South bet. secs. 25 and 30,
 Over level alkali land.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 25 on W. face, and 30 on E. face; dig pits 18 x 18
 x 12 ins. N. and S. of post 3 ft. dist.; and raise a
 mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground for cor. of secs. 25, 30,
 31 and 36, marked
 T 2 S S 30 on NE.

EAST BOUNDARY T. 2 S., R. 18 W.

Chains.

R 17 W S 31 on SE.

S 36 on SW., and

R 18 W S 25 on NW. face, with 5 notches on N. and
1 notch on S. edge; dig pits 18 x 18 x 12 ins. in each
sec. 5½ ft. dist.; and raise a mound of earth 3½ ft.
base, 1½ ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

South bet. secs. 31 and 36,

Over level alkali land.

40.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for ¼ sec. cor., marked
¼ S 36 on W. face, 31 on E. face; dig pits 18 x 18 x 12
ins. N. and S. of post 3 ft. dist.; and raise a mound of
earth 3½ ft. base, 1½ ft. high W. of cor.

80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for cor. of Tps. 2 and
3 S., Rs. 17 and 18 W., marked

T 2 S S 31 on NE.

R 17 W S 6 on SE.

T 3 S S 1 on SW., and

R 18 W S 36 on NW. face, with 6 notches on each
edge; dig pits 24 x 24 x 12 ins. on each line N., E.
and W. 4 ft., and S. of post 8 ft. dist.; and raise a
mound of earth 5 ft. base, 2½ ft. high S. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

For general description see notes of subdivision
this township.

SOUTH BOUNDARY T. 2 S., R. 18 W.

Sept. 15:

Chains. From the cor. of Tps. 2 and 3 S., Rs. 17 and 18 W., established by myself and heretofore described, I run West on a random line along S. bdy. of Tp., setting temporary sec. and $\frac{1}{4}$ sec. cors. at intervals of 40.00 chs. and at 477.80 chs. fall 58 lks. north of the cor. of Tps. 2 and 3 S., Rs. 18 and 19 W. heretofore described, the falling answers to a correction of $0^{\circ}04'$ or 9 lks. lks. S. per mile counting from the SE. cor. of the township; therefore I run

N. $89^{\circ}56'E$ on a true line bet. secs. 6 and 31, Over level alkali land.

37.80 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 31 on N. face, 6 on S. face.

77.80 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 15, 16, 31, and 32, marked

T 2 S S 32 on NE.

R 18 W S 5 on SE.

T 3 S S 6 on SW., and

S 31 on NW. face, with 1 notch on W. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

SOUTH BOUNDARY T. 2 S., R. 18 W.

Chains.

N. 89° 56' E. bet. secs. 5 and 32,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 32 on N. face, and 5 on S. face.

80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, marked

T 2 S S 33 on NE.

R 18 W S 4 on SE.

T 3 S S 5 on SW. and

S 32 on NW. face, with 2 notches on W, and 4 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 89° 56' E. bet. secs. 4 and 33,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 33 on N. face, and 4 on S. face.

80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of

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SOUTH BOUNDARY T. 2 S., R. 18 W.

Chains. charcoal, 24 ins.in the ground, for cor.of secs.3,4, 33, and 34, marked

T 2 S S 34 on NE.

R 18 W S 3 on SE.

T 3 S S 4 on SW., and

S 33 on NW.face, with 3 notches on E. and W.edges.

Dig pits 18 x 18 x 12 ins.in each sec. 5½ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of corner.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.89° 56'E.bet.secs.3 and 34

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for ¼ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft. base, 1½ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 34 on N.face, and 3 on S.face.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for cor.of secs.2,3, 34, and 35, marked

T 2 S S 35 on NE.

R 18 W S 2 on SE.

T 3 S S 3 on SW., and

S 34 on NW.face; with 2 notches on E. and 4 notches on W.edge; dig pits 18 x 18 x 12 ins.in each sec. 5½ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft. high W.of cor.

Land, level.

Soil

SOUTH BOUNDARY T. 2 S., R. 18 W.

Chains. Soil, alkali; 4th rate.

No timber.

N. 89° 56' E. bet. secs. 2 and 35,
Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
¼ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
cor. 4 ft. dist.; and raise a mound of earth 3½ ft. base
1½ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

¼ S 35 on N. face, and 2 on S. face.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for cor. of secs. 1, 2,
35, and 36; marked

T 2 S S 36 on NE.

R 18 W S 1 on SE.

T 3 S S 2 on SW., and

S 35 on NW. face, with 1 notch on E. and 5 notches
on W. edge; dig pits 18 x 18 x 12 ins. in each sec. 5½
ft. dist.; and raise a mound of earth 4 ft. base, 2 ft.
high W. of corner.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 89° 56' E. bet. secs. 1 and 36,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
¼ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.
4 ft. dist.; and raise a mound of earth 3½ ft. base, 1½
ft. high over deposit.

SOUTH BOUNDARY T. 2 S., R. 18 W.

Chains. In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 36 on N. face, and 1 on S. face.

80.00 The cor. of Tps. 2 and 3 S., Rs. 17 and 18 W.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept. 15, 1908.

For general description see notes of the subdivision of this township.

Robert E. L. Collier

U.S. Deputy Surveyor.

BOUNDARIES T. 2 S., R. 18 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True	Dist	Latitudes		Departures	
	Bearing		N.	S.	E.	W.
		chs. ✓	chs.	chs.	chs. ✓	chs.
North Boundary	East	477.52	.....	.....	477.52	.....
East Boundary	South	480.00 ✓	.....	480.00	.....	.....
South Boundary	S. 89° 56' W.	477.80 ✓	.....	.58	.....	477.80 ✓
West Boundary	North	480.00 ✓	480.00	.....	.....	.....
Convergency					.6 ✓	
T o t a l s			480.00	480.58	478.15	477.80
			480.00	480.00	477.80	

Error in lat. and dep. .58 ✓ .35 ✓

Robert E. L. Collier

U.S. Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
_____king the lines and corners described in the foregoing field notes of the survey of _____

_____ving the respective capacities in which they acted:
_____list of names and final oaths of assistants see book "K", *Chainman*.
_____Tp. 2 S., R. 17 W. _____, *Chainman*.
_____, *Moundman*.
_____, *Moundman*.
_____, *Asman*.
_____, *Asman*.
_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
_____e parts or portions of the _____

_____of the _____
_____meridian, _____of _____, which are represented
_____ie foregoing field notes as having been surveyed by him and under his direction; and that said survey
_____been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
_____er monuments established, according to the instructions furnished by the United States Surveyor
_____eral for _____

_____, *Chainman*.
_____, *Chainman*.
_____, *Moundman*.
_____, *Moundman*.
_____, *Asman*.
_____, *Asman*.
_____, *Flagman*.

scribed and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for _____, bearing date of
_____ day of _____, 190____, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for _____, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of
_____ For final affidavit see book "K" T. 2 S., R. 17 W.

_____ of the
_____ meridian, in the _____ of _____, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for _____ and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

Robert E. R. Collier

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, 1908

The foregoing field notes of the survey of the East and South Boundaries of
Township No. 2 South. Range No. 18 West of the Salt Lake Base and
Meridian, Utah,

executed by _____ Robert E. L. Collier
under his contract No. 301, dated March 5, 1908, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Thomas Hill

United States Surveyor

I certify that the foregoing transcript of the field notes of the above-described surveys in
_____, has been correctly copied from the original notes on file in this office

United States Surveyor

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4-670.

BOOK A-346

I.

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 12 1908

SUBDIVISION

OF

TOWNSHIP NO. 2 SOUTH

RANGE NO. 18 WEST

Of the SALT LAKE BASE AND Meridian,

UTAH

AS SURVEYED BY

Robert E. L. Collier,

United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908.

Survey commenced September 15, 1908.

Survey completed September 18, 1908.

57-68-62

NAMES AND DUTIES OF ASSISTANTS.

----- Ralph Gentry, ----- Chairman. -----

----- David Sharp Jr. ----- Chairman. -----

----- R. Harold Browne, ----- Moundman. -----

----- Ralph M. Wind, ----- Flagman. -----

----- For preliminary affidavits see book "D" Tp. 1 N., R. 19 W. -----

BOOK A-346

INDEX DIAGRAM.

Township 2 South, Range 18 West

6	35	5	25	4	19	3	13	2	7	1
34		34		25		19		13		6
7	33	8	24	9	18	10	12	11	6	12
33		32		24		18		11		5
18	32	17	23	10	17	16	11	14	5	13
31		31		23		17		10		4
19	30	20	22	21	16	22	10	28	4	24
30		29		22		16		9		3
30	28	20	21	28	15	27	9	26	2	25
28		27		21		15		8		2
31	26	32	20	33	14	34	7	35	1	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____, Chainm.

_____, Chainm.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and
do solemnly swear that we will well and truly perform the duties of moundmen in the establish-
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____, Moundm.

_____, Moundm.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____, Axm.

_____, Axm.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of _____

_____, Flag

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



SUBDIVISION OF T. 2 S., R. 18 W.

Chains. Survey commenced Sept. 15, 1908, and executed with the instrument described in book "A" of this survey.

At the cor. of secs. 35 and 36 on S. bdy. of Tp., established by myself and heretofore described; lat. $40^{\circ} 35' 38''$ N.; long. $113^{\circ} 50' 50''$ W., at 7 h. 50 m. p. m. by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station.

Sept. 16: At 7 h. 30 m. a. m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night; the magnetic bearing of the true meridian is N. $18^{\circ} 10'$ W., which gives the mag. decl. $18^{\circ} 10'$ E.

Thence I run

N. $0^{\circ} 01'$ W. bet. secs. 35 and 36,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits $18 \times 18 \times 12$ ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 35 on W. face, 36 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for cor. of secs. 25, 26, 35, and 36; dig pits $18 \times 18 \times 12$ ins. in each sec. 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SUBDIVISION OF T. 2 S., R. 18 W.

Chains. ins.in the ground, marked
 T 2 S S 25 on NE.
 R 18 W S 36 on SE.
 S 35 on SW., and
 S 26 on NW.face, with 1 notch on S. and E.edges.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

The cor.of secs.25,30,31, and 36 on E.bdy.of Tp.being
 plainly visible I run for said corner,
 N.89° 56'E.on a random line bet.secs.25 and 36
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect E.bdy.of Tp.at the cor.of secs.25,30,31, and
 36, established by myself and heretofore described.
 Thence I run
 S.89° 56'W.on a true line bet.secs.25 and 36
 Over level alkali land.
 40.00 Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
 cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft.high over deposit.
 In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 $\frac{1}{4}$ S 25 on N.face, and 36 on S.face.
 80.00 The cor.of secs.25,26,35, and 36s.in the ground for
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

N.0° 01'W.bet.secs.25 and 26,
 Over level alkali land.
 35.00 Leave alkali; enter salt land.

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SUBDIVISION OF T. 2 S., R. 18 W.

Chains

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 26 on W.face, and 25 on E.face.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.23,24 25, and 26; marked:

T 2 S S 24 on NE.

R 18 W S 25 on SE.

S 26 on SW., and

S 23 on NW.face, with 1 notch on E. and 2 notches on S.edge. Pits and mound impracticable.

Land, level.

Soil, alkali; 4th rate, and salt.

No timber.

The cor.of secs.19,24,25, and 30 on E.bdy.of Tp.being plainly visible, I run for said corner,

N.89° 55'E.on a random line bet.secs.24 and 25

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.00 Intersect E.bdy.of Tp. at the cor.of secs.19,24,25, and 30, established by myself and heretofore described.

Thence I run

S.89° 55'W.on true line bet.secs.24 and 25,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 24 on N.face, and 25 on S.face.Pits & mound impracticable.

80.00 The cor.of secs.23,24,25, and 26.

SUBDIVISION OF T. 2. S., R. 18 W.

Chains. Land, level salt bed.

No timber.

N.0° 01' W. bet. secs. 23 and 24,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 23 on W. face, 24 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, marked

T 2 S S 13 on NE.

R 18 W S 24 on SE.

S 23 on SW., and

S 14 on NW. face, with 1 notch on E. and 3 notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 13, 18, 19, and 24 on E. bdy. of Tp. being plainly visible, I run for said corner,

N. 89° 54' E. on a random line bet. secs. 13 and 24,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect E. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, established by myself and heretofore described.

Thence I run

S. 89° 54' W. on true line bet. secs. 13 and 24,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 13 on N. face, and 24 on S. face. Pits and mound impracticable.

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SUBDIVISION OF T. 2 S. R. 18 W.

Chains

80.00 The cor. of secs. 13, 14, 23, and 24.

Land, level salt bed.

No timber.

N. 0° 01' W. bet. secs. 13 and 14,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 14 on W. face, and 13 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, marked

T 2 S S 12 on NE.

R 18 W S 13 on SE.

S 14 on SW., and

S 11 on NW. face, with 1 notch on E. and 4 notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 7, 12, 13, and 18 being plainly visible

I run for said corner,

N. 89° 54' E. on a random line bet. secs. 12 and 13,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect E. bdy. of Tp. at the cor. of secs. 7, 12, 13, and 18, established by myself and heretofore described.

Thence I run

S. 89° 54' W. on true line bet. secs. 12 and 13,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor.,

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	marked $\frac{1}{4}$ S 12 on N.face, and 13 on S.face. Pits and mound impracticable.
80.00	The cor.of secs.11,12,13, and 14. Land, level salt bed. No timber.
	N.0° 01'W.bet.secs.11 and 12, Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ S 11 on W.face, and 12 on E.face. Pits and mound impracticable.
80.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.1,2, 11, and 12, marked T 2 S S 1 on NE. R 18 W S 12 on SE. S 11 on SW., and S 2 on NW.fæ e, with 1 notch on E. and 5 notches on S.edge. Pits and mound impracticable. Land, level salt bed. No timber.
	The cor.of secs.1,6,7, and 12 on E.bdy.of Tp.being plainly visible, I run for said corner, N.89° 55'E.on a random line bet.secs.1 and 12,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.1,6,7, and 12, established by myself and heretofore described. Thence I run S.89° 55'W.on true line bet.secs.1 and 12, Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of

SUBDIVISION OF T. 2 S., R. 18 W.

Chains charcoal 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 1 on N. face, and 12 on S. face.

80.00 The cor. of secs. 1, 2, 11, and 12.
 Land, level salt bed.
 No timber.

The cor. of secs. 1, 2, 35, and 36 on N. bdy. of Tp. being
 plainly visible, I run for said corner,

N. $0^{\circ} 01' W.$ on a random line bet. secs. 1 and 2,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. bdy. of Tp. at the cor. of secs. 1, 2, 35, and 36,
 which is a pine stake 2 ins. sq., 1 ft. above ground,
 marked and witnessed as described by the surveyor
 general. Thence I run

S. $0^{\circ} 01' E.$ bet. secs. 1 and 2,

Over level salt bed.

40.04 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 2 on W. face, and 1 on E. face. Pits and mound im-
 practicable.

80.04 The cor. of secs. 1, 2, 11, and 12.
 Land, level salt bed.
 No timber.

From the cor. of secs. 2, 3, 34, and 35 on S. bdy. of Tp.
 established by myself and heretofore described, I
 run

N. $0^{\circ} 02' W.$ bet. secs. 34 and 35,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	cor. 4 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit. In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked $\frac{1}{4}$ S 34 on W. face, and 35 on E. face.
76.00	Leave alkali land; enter salt lands.
80.00	Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 26, 27, 34, and 35; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high over deposit. In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked T 2 S S 26 on NE. R 18 W S 35 on SE. S 34 on SW., and S 27 on NW. face, with 1 notch on S. and 2 notches on E. edge. Land, level salt Soil, alkali; 4th rate, and salt. No timber.
	The cor. of secs. 25, 26, 35, and 36 being plainly visible I run for said corner, N. 89° 57' E. on a random line bet. secs. 26 and 35,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 25, 26, 35, and 36. Thence I run S. 89° 57' W. on a true line bet. secs. 26 and 35, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.

SUBDIVISION OF T' 2 S., R. 18 W.

- Chains. base, $1\frac{1}{2}$ ft. high over deposit.
- In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
- $\frac{1}{4}$ S 26 on N. face, and 35 on S. face.
- 64.00 Leave alkalie land; enter, salt bed.
- 80.00 The cor. of secs. 26, 27, 34, and 35.
- Land, level.
- Soil, alkali; 4th rate and salt bed.
- No timber.
-
- N. 0° 02' W. bet. secs. 26 and 27,
- Over level salt bed.
- 40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
- $\frac{1}{4}$ S 27 on W. face, and 26 on E. face; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.
- 80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal 24 ins. in ground, for cor. secs. 23, 24, 25 and 27, mkd.
- T 2 S S 23 on NE.
- R 18 W S 26 on SE..
- S 27 on SW., and
- S 22 on NW. face, with 2 notches on S. and E. edges. Pits and mound impracticable.
- Land, level salt bed.
- No timber.
-

The cor. of secs. 23, 24, 25, and 26 being plainly visible

I run for said corner,

N. 89° 55' E. on a random line bet. secs. 23 and 26,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 23, 24, 25,

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.

and 26. Thence I run

S. 89° 55' W. on true line bet. secs. 23 and 26

Over level salt bed.

40.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 23 on N. face and 26 on S. face. Pits and mound impracticable.

80.00

The cor. of secs. 22, 23, 26, and 27.

Land, level salt bed.

No timber.

N. 0° 02' W. bet. secs. 22 and 23,

Over level salt bed.

40.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 22 on W. face, and 23 on E. face. Pits and mound impracticable.

80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 14, 15, 22, and 23, marked

T 2 S S 14 on NE.

R 18 W S 23 on SE.

S 22 on SW., and

S 15 on NW. face, with 2 notches on E. and 3

notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 13, 14, 23, and 24 being plainly visible
I run for said corner,

N. 89° 55' E. on a random line bet. secs. 14 and 23,

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.00

Intersect N. and S. line at the cor. of secs. 13, 14, 23,

SUBDIVISION OF T. 2 S., R. 18 W.

Chains and 24. Thence I run

S. 89° 55' W. on a true line bet. secs. 14 and 23,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 14 on N. face, and 23 on S. face. Pits and mound impracticable.

80.00 The cor. of secs. 14, 15, 22, and 23.

Land, level salt bed.

No timber.

N. 0° 02' W. bet. secs. 14 and 15,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 15 on W. face, and 14 on E. face. Pits and mound of earth impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 10, 11, 14, and 15, marked

T 2 S S 11 on NE.

R 18 W S 14 on SE.

S 15 on SW., and

S 10 on NW. face, with 2 notches on E. and 4

notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 11, 12, 13, and 14 being plainly visible, I run for said corner,

N. 89° 56' E. on a random line bet. secs. 11 and 14,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.

80.00

Intersect N. and S. line at the cor. of secs. 11, 12, 13, and 14. Thence I run

S. $89^{\circ} 56' W.$ on a true line bet. secs. 11 and 14,
Over level salt bed.

40.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 11 on N. face, and 14 on S. face. Pits and mound impracticable.

80.00

The cor. of secs. 10, 11, 14, and 15.

Land, level salt bed.

No timber.

N. $0^{\circ} 02' W.$ bet. secs. 10 and 11,

Over level salt bed.

40.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 10 on W. face, and 11 on E. face. Pits and mound impracticable.

80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, marked

T 2 S S 2 on NE.

R 18 W S 11 on SE.

S 10 on SW., and

S 3 on NW. face, with 2 notches on E. and 5 notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 1, 2, 11, and 12 being plainly visible
I run for said corner,

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SUBDIVISION OF T. 2 S., R. 18 W.

Chains N. $89^{\circ} 56' E.$ on a random line bet. secs. 2 and 11,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line at the cor. of secs. 1, 2, 11, and
 12. Thence I run
 S. $89^{\circ} 56' W.$ on a true line bet. secs. 2 and 11,
 Over level salt bed.
 40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 2 on N. face and 11 on S. face. Pits and mound im-
 practicable.
 80.00 The cor. of secs. 2, 3, 10, and 11.
 Land, level salt bed.
 No timber.

The cor. of secs. 2, 3, 34, and 35 on N. bdy. of Tp. being
 plainly visible I run for said corner,

N. $0^{\circ} 02' W.$ bet. secs. 2 and 3,

Over level salt bed.

80.04 Intersect N. bdy. of Tp. at the cor. of secs. 2, 3, 34, and
 35, which is a pine stake 2 ins. sq., 12 ins. above
 ground, marked and witnessed as described by the
 surveyor general.

Thence I run

S. $0^{\circ} 02' E.$ bet. secs. 2 and 3,

Over level salt bed.

40.04 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 3 on W. face, and 2 on E. face. Pits and mound
 impracticable.

80.04 The cor. of secs. 2, 3, 10, and 11.

Land, level salt bed.

No timber.

SUBDIVISION OF T. 2 S., R. 18 W.

Chains. Sept. 16: At the cor. of secs. 3, 4, 33, and 34 on S. bdy. of Tp. established by myself and heretofore described, lat. $40^{\circ} 35' 38''$ N.; long. $115^{\circ} 56' 07''$ W., at 7 h. 46 m. p.m. by my watch which is 3 m. slow of l.m.t. I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station.

Sept. 17: At 7 a.m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night; the magnetic bearing of the true meridian is $N. 18^{\circ} 0' W.$, which gives the mag. decl. $18^{\circ} 0' E.$

Thence I run

$N. 0^{\circ} 03' W.$ bet. secs. 33 and 34,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits $18 \times 18 \times 12$ ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S. 33 on W. face, and 34 on E. face.

50.00 Leave alkali land; enter salt bed.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 27, 28, 33, and 34; dig pits $18 \times 18 \times 12$ ins. in each sec. 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

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SUBDIVISION OF T. 2 S. R. 18 W.

Chains

T 2 S S 27 on NE.

R 18 W S 34 on SE.

S 33 on SW., and

S 28 on NW.face, with 3 notches on E. and 1 notch on S.edge.

Land, level.salt bed.

Soil, alkali, 4th rate and salt.

No timber.

The cor.of secs.26,27,34, and 35 being plainly visible,
I run for said corner,

N.89° 56'E.on a random line bet.secs.27 and 34,

40.00 Set temp.¼ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.26,27,34,
and 35. Thence I run

S.89° 56'W.on true line bet.secs.27 and 34,

Over level salt bed.

40.00 Set a redwood post 3 ft.long, 4 ins.sq., with quart of
charcoal, 24 ins.in the ground, for ¼ sec.cor.marked
¼ S 27 on N.face, and 34 on S.face. Pits and mound im-
practicable..

80.00 The cor.of secs.27,28,33, and 34.

Land, level salt bed.

No timber.

N.0° 03'W.bet.secs.27 and 28,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of
charcoal, 24 ins.in the ground, for ¼ sec.cor.marked
¼ S 28 on W.face, 27 on E.face. Pits and mound im-
practicable.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	<p>charcoal, 24 ins.in the ground for cor.of secs.21,22 27, and 28, marked T 2 S S 22 on NE. R 18 W S 27 on SE. S 28 on SW., and S 21 on NW.face, with 3 notches on E. and 2 notches on S.edge. Pits and mound impracticable. Land, level salt bed. No timber.</p>
	<p>The cor.of secs.22,23,26, and 27 being plainly visible I run for said corner, N .89° 56'E.on a random line bet:secs.22 and 27, 40.00 Set temp. $\frac{1}{4}$ sec.cor. 80.00 Intersect N. and S.line at the cor.of secs.22,23,26, and 27. Thence I run S.89° 56'W.on true line bet.secs.22 and 27, Over level salt bed. 40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ S 22 on N.face, and 27 on S.face. Pits and mound impracticable. 80.00 The cor.of secs.21,22,27, and 28. Land, level salt bed. No timber.</p>
	<p>N.0° 03'W.bet.secs.21 and 22, Over level salt bed. 40.00 Set a pine post 3 ft.^{long} 4 ins.sq., with quart of charcoal 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 21 on W.face, and 22 on E.face. Pits and mound imprac- ticable.</p>

SUBDIVISION OF T. 2 S., R. 18 E.

Chains.

80.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for cor.of secs.15,16, 21, and 22, marked

T 2 S S 15 on NE.

R 18 W S 22 on SE.

S 21 on SW., and

S 16 on NW.face, with 3 notches on S. and E.edges.

Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor.of secs.14,15,22, and 23 being plainly visible,
I run for said corner,

N.89° 56'E.on a random line bet.secs.15 and 22,

40.00

Set temp. $\frac{1}{4}$ sec.cor.

80.00

Intersect N. and S.line at the cor.of secs.14,15,22, and 23. Thence I run

S.89° 56'W.on a true line bet.secs.15 and 22,

Over level salt bed.

40.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ S 15 on N.face, and 22 on S.face. Pits and mound impracticable.

80.00

The cor.of secs.15,16,21, and 22.

Land, level salt bed.

No timber.

N.0° 03'W.bet.secs.15 and 16,

Over level salt bed.

40.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ S 16 on W.face, and 15 on E.face. Pits and mound

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	impracticable.
80.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for cor.of secs.9,10, 15, and 16, marked T 2 S S 10 on NE. R 18 W S 15 on SE. S 16 on SW., and S 9 on NW.face, with 3 notches on E. and 4 notches on S.edge. Pits and mound impracticable. Land, level salt bed. No timber.
	The cor.of secs.10,11,14, and 15 being plainly visible I run for said corner, N.89° 56'E.on a random line bet.secs.10 and 15;
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run S.89° 56'W.on a true line bet.secs.10 and 15, Over level salt bed.
39.99	Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for $\frac{1}{4}$ sec.cor.. marked $\frac{1}{4}$ S 10 on N.face, and 15 on S.face. Pits and mound impracticable.
79.98	The cor.of secs.9,10,15, and 16. Land, level salt bed. No timber.
	N.0° 03'W.bet.secs.9 and 10, Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for $\frac{1}{4}$ sec.cor.mkd. $\frac{1}{4}$ S 9 on W.face, and 10 on E.face. Pits and mound impracticable.

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.
80.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.3,4, 9, and 10, marked
T 2 S S 3 on NE.
R 18 W S 10 on SE.
S 9' on SW., and
S 4' on NW.face, with 3 notches on E. and 5 notches on S.edge. Pits and mound impracticable.
Land, level salt bed.
No timber.

The cor.of secs.2,3,10, and 11 being plainly visible,
I run for said corner,

N.89° 56'E.on a random line bet.secs.3 and 10,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.98 Intersect N. and S.line at the cor.of secs.2,3,10, and 11. Thence I run

S.89° 56'W.on true line bet.secs.3 and 10,

Over level salt bed.

39.99 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in ground, for $\frac{1}{4}$ sec.cor., marked
 $\frac{1}{4}$ S 3 on N.face, and 10 on S.face.

Pits and mound impracticable.

79.98 The cor.of secs.3,4,9, and 10.

Land, level salt bed.

No timber.

The cor.of secs.3,4,33, and 34 on N.bdy.of Tp.being plainly visible, I run for said corner,

N.0° 03'W.bet.secs.3 and 4.on random line

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.06 Intersect N.bdy.of Tp.at the cor.of secs.3,4,33, and

SUBDIVISION OF T. 2 S., R. 18 W.

Chains. 34, which is a pine stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general. Thence I run
S.0° 03' W. bet. secs. 3 and 4;
Over level salt bed.

40.06 Set a pine pbst 3 ft.long; 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked
 $\frac{1}{4}$ S 4 on W.face, and 3 on E.face.

80.06 Pits and mound impracticable.
The cor.of secs. 3, 4, 9, and 10.
Land, level salt bed.
No timber.

From the cor.of secs. 4, 5, 32, and 33 on S.bdy.of Tp., as established by myself and heretofore described, I run

N.0° 03' W. bet. secs. 32 and 33,

Over level alkali land.

40.00 Deposit a quart of charcoal, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 32 on W.face, and 33 on E.face.

80.00 Deposit a quart of charcoal, 12 ins.in the ground, for cor.of secs. 28, 29, 32, and 33; dig pits 18 x 18 x 12 ins.in each sec. 4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 28 on NE.

R 18 W S 33 on SE.

S 32 on SW., and

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.

S 29° on NW. face, with 1 notch on S. and 4 notches on E. edge.

Land, level

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 27, 28, 33, and 34 being plainly visible

I run for said corner,

N. 89° 54' E. on a random line bet. secs. 28 and 33,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 27, 28, 33, and 34. Thence I run

S. 89° 54' W. on true line bet. secs. 28 and 33,

Over level salt bed.

40.00 Set a redwood post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 28 on N. face, and 33 on S. face. Pits and mound impracticable.

80.00 The cor. of secs. 28, 29, 32, and 33.

Land, level salt bed.

No timber.

N. 0° 03' W. bet. secs. 28 and 29,

Over level salt bed.

40.00 Set a redwood post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 29 on W. face, and 28 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, marked

T 2 S S 21 on NE.

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	<p>R 18 W S 28 on SE. S 29 on SW., and S 20 on NW. face, with 2 notches on S. and 4 notches on E. edge. Pits and mound impracticable. Land, level salt bed. No timber.</p>
<p>40.00 80.00 40.00 80.00</p>	<p>The cor. of secs. 21, 22, 27, and 28 being plainly visible I run for said corner, N. 89° 55' E. on a random line bet. secs. 21 and 28, Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line at the cor. of secs. 21, 22, 27, and 28. Thence I run S. 89° 55' W. on a true line bet. secs. 21 and 28, Over level salt bed. Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 21 on N. face, and 28 on S. face. Pits and mound impracticable. The cor. of secs. 20, 21, 28, and 29. Land, level salt bed. No timber.</p>
<p>40.00 80.00</p>	<p>N. 0° 03' W. bet. secs. 20 and 21, Over level salt bed. Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 20 on W. face, and 21 on E. face. Pits and mound impracticable. Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 16, 17, 20, and 21, marked</p>

SUBDIVISION OF T. 2. S., R. 18. W.

Chains.

T 2. S S 16 on NE.

R 18 W S 21 on SE.

S 20 on SW., and

S 17 on NW. face, with 4 notches on E. and 3 notches on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 15, 16, 21, and 22 being plainly visible
I run for said corner;

N. $89^{\circ} 55'$ E. on a random line bet. secs. 16 and 21,40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 15, 16, 21,
and 22. Thence I run

S. $89^{\circ} 55'$ W. on a true line bet. secs. 16 and 21,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 16 on N. face, and 21 on S. face. Pits and mound
impracticable.

80.00 The cor. of secs. 16, 17, 20, and 21.

Land, level salt bed.

No timber.

N. $0^{\circ} 03'$ W. bet. secs. 16 and 17,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 17 on W. face, and 16 on E. face. Pits and mound
impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground for cor. of secs. 8, 9,

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	<p>16, and 17, marked</p> <p>T 2 S S 9 on NE.</p> <p>R 18 W S 16 on SE.</p> <p>S 17 on SW., and</p> <p>S 8 on NW. face, with 4 notches on S. and E. edges.</p> <p>Pits and mound impracticable.</p> <p>Land, level salt bed.</p> <p>No timber.</p>
<p>40.00</p> <p>80.02</p> <p>40.01</p> <p>80.02</p>	<p>The cor. of secs. 9, 10, 15, and 16 being plainly visible</p> <p>I run for said corner,</p> <p>N. 89° 54' E. on a random line bet. secs. 9 and 16,</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line at the cor. of secs. 9, 10, 15, and 16. Thence I run</p> <p>S. 89° 54' W. on true line bet. secs. 9 and 16,</p> <p>Over level salt bed.</p> <p>Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 9 on N. face, and 16 on S. face. Pits and mound impracticable.</p> <p>The cor. of secs. 8, 9, 16, and 17.</p> <p>Land, level salt bed.</p> <p>No timber.</p>
<p>40.00</p> <p>80.00</p>	<p>N. 0° 03' W. bet. secs. 8 and 9,</p> <p>Over level salt bed.</p> <p>Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 8 on W. face, and 9 on E. face. Pits and mound impracticable.</p> <p>Set a pine post 3 ft. long, 4 ins. sq., with quart of</p> <p>cha</p>

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SUBDIVISION OF T. 2 S., R. 18 W.

Chains. charcoal, 24 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, marked

T 2 S. S 4 on NE.

R 18 W S 9 on SE.

S 8 on SW., and

S 5 on NW. face, with 4 notches on E. and 5 notches

on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 3, 4, 9, and 10 being plainly visible

I run for said corner,

N. 89° 54' E. on a random line bet. secs. 4 and 9,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line at the cor. of secs. 3, 4, 9, and 10. Thence I run

S. 89° 54' W. on true line bet. secs. 4 and 9,

Over level salt bed.

40.01 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 4 on N. face, and 9 on S. face. Pits and mound impracticable.

80.02 The cor. of secs. 4, 5, 8, and 9.

Land, level salt bed.

No timber.

The cor. of secs. 4, 5, 32, and 33 on N. bdy. of Tp. being plainly visible, I run for said corner,

N. 0° 03' W. bet. secs. 4 and 5,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. bdy. of Tp. at the cor. of secs. 4, 5, 32, and 33 which is a pine stake 2 ins. sq., 12 ins. above ground

SUBDIVISION OF T. 2 S., R. 18 W.

Chains. marked and witnessed as described by the surveyor general. Thence I run

S.0° 03'E.on true line bet.secs.4 and 5,

Over level salt bed.

40.10 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ S 5 on W.face, and 4 on E.face. Pits and mound impracticable.

80.10 The cor.of secs.4,5,8, and 9.

land, level salt bed.

No timber.

Sept.17, 1908.

Sept.17: At the cor.of secs.5,6,31, and 32 on S.bdy.of Tp., established by myself, and heretofore described, lat.40° 35' 38" N.; long.113°55' 23 " W., at 7 h. 42m. p.m.by my watch, which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs.N.of my station.

Sept.18: At 7 a.m., I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night; the magnetic bearing of the true meridian is N.18°00'W, which gives the mag.decl. 18°00'E.

Thence I run

N.0° 04'W.bet.secs.31 and 32,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

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SUBDIVISION OF T..2 S., R. 18 W.

Chains. cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 31 on W. face, and 32 on E. face.

80.00 Deposit a quart of charcoal, 12 ins. in the ground, for cor. of secs. 29, 30, 31, and 32; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 29 on NE.

R 18 W S 32 on SE.

S 31 on SW., and

S 30 on NW. face; with 1 notch on S. and 5 notches on E. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 28, 29, 32, and 33 being plainly visible I run for said corner,

N. $89^{\circ} 53'$ E. on a random line bet. secs. 29 and 32,

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 28, 29, 32, and 33. Thence I run

S. $89^{\circ} 53'$ W. on a true line bet. secs. 29 and 32

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{2}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor., 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.	ins.in the ground, marked
	$\frac{1}{4}$ S 29 on N.face, and 32 on S.face.
80.00	The cor.of secs.29,30,31, and 32.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	The cor.of secs.25,30,31, and 36 on W.bdy.of Tp.being plainly visible, I run for said corner,
	S.89° 56'W.on a random line bet.secs.30 and 31,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
77.75	Intersect W.bdy.of Tp.at the cor.of secs.25,30,31, and 36, which is a glass deposit, with pits and mound and pine stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	N.89° 56'E.on a true line bet.secs.30 and 31,
	Over level land.
37.75	Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 30 on N.face, and 31 on S.face.
77.75	The cor.of secs.29,30,31, and 32.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N.0° 04'W.bet.secs.29 and 30,
	Over level alkali land.
30.00	Leave alkali; enter salt land.

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 30 on W.face, and 29 on E.face.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs, 19, 20, 29, and 30, marked

T 2 S S 20 on NE.

R 18 W S 29 on SE.

S 30 on SW.; and

S 19 on NW.face, with 2 notches on S. and 5 notches

on E.edge. Pits and mound impracticable.

Land, level.

Soil, alkali; 4th rate., and salt.

No timber.

The cor.of secs.20,21,28, and 29 being plainly visible

I run for said corner,

N.89° 52'E.on a random line bet.secs.20 and 29,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.20,21,28, and 29. Thence I run

S.89° 52'W.on a true line bet.secs.20 and 29,

Over level salt bed.

40.00 Set a redwood post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 20 on N.face, and 29 on S.face. Pits and mound impracticable.

80.00 The cor.of secs.19,20,29, and 30.

Land, level salt bed.

No timber.

SUBDIVISION OF T. 2 S., R. 18 W

Chains.

- The cor. of secs. 19, 24, 25, and 30 on NW. bdy. of Tp. being plainly visible, I run for said corner,
- S. 89° 56' W. on a random line bet. secs. 19 and 30,
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 77.71 Intersect W. bdy. of Tp. at the cor. of secs. 19, 24, 25, and 30, which is a glass deposit with pits and mound, and a pine stake 2 ins. sq., 12 ins. above ground, marked and witnessed as described by the surveyor general.
- Thence I run
- N. 89° 56' E. on a true line bet. secs. 19 and 30,
- Over level alkali land.
- 27.71 Leave alkali; enter salt land.
- 37.71 Set a redwood post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 19 on N. face, and 30 on S. face. Pits and mound impracticable.
- 77.71 The cor. of secs. 19, 20, 29, and 30.
- Land, level.
- Soil, alkali, 4th rate, and salt.
- No timber.

N. 0° 04' W. bet. secs. 19 and 20

- Over level salt bed.
- 40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 19 on W. face, and 20 on E. face. Pits and mound impracticable.
- 80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, marked
- T 2 S S 17 on NE.
- R 18 W S 20 on SE.
- S 19 on SW., and
- S 18 on NW. face, with 5 notches on E. and 3 notch-

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SUBDIVISION OF T. 2 S., R. 18 W.

Chains es on S. edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 16, 17, 20, and 21 being plainly visible

I run for said corner,

N. $89^{\circ} 52' E.$ on a random line bet. secs. 17 and 20,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line at the cor. of secs. 16, 17, 20, and 21. Thence I run

S. $89^{\circ} 52' W.$ on true line bet. secs. 17 and 20,

Over level salt bed.

39.99 Set a redwood post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 17 on N. face, and 20 on S. face. Pits and mound impracticable.

79.98 The cor. of secs. 17, 18, 19, and 20.

Land, level salt bed.

No timber.

The cor. of secs. 13, 18, 19, and 24 on W. bdy. of Tp. being plainly visible I run for said corner,

S. $89^{\circ} 56' W.$ on a random line bet. secs. 18 and 19,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.67 Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, which is a glass deposit, with pits and mound.

with stake 24 ins. sq., 12 ins. above ground, marked and

witnessed as described by the surveyor general.

Thence I run

N. $89^{\circ} 56' E.$ on a true line bet. secs. 18 and 19,

Over level salt bed.

37.67 Set a redwood post $\frac{3}{4}$ ft. long, 4 ins. sq., with quart of

SUBDIVISION OF T: 2 S. R. 18 W.

Chains. charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked
 $\frac{1}{4}$ S 18 on N.face, and 19 on S.face. Pits and mound
 impracticable.

77.67 The cor.of secs.17,18,19, and 20.
 Land level salt bed.
 No timber.

N.0° 04'W.bet.secs.17 and 18,
 Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of
 charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked
 $\frac{1}{4}$ S 18 on W.face, and 17 on E.face. Pits and mound
 impracticable.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of
 charcoal, 24 ins.in the ground, for cor.of secs. 7,
 8,17, and 18, marked
 T 2 S S 17 on NE.
 R 18 W S 20 on SE.
 S 19 on SW., and
 S 18 on NW.face, with 3 notches on S. and 5 notch-
 es on E.edge. Pits and mound impracticable.
 Land, level salt bed.
 No timber.

The cor.of secs.8,9,16, and 17 being plainly visible, I
 run for said corner,

N.89° 52'E.on a random line bet.secs.8 and 17

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.98 Intersect N. and S.line at the cor.of secs.8,9,16, and
 17. Thence I run

S.89° 52'W.on true line bet.secs.8 and 17,

Over level salt bed.

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.

39.99. Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 8 on N. face, and 17 on S. face. Pits and mound impracticable.

79.98 The cor. of secs. 7, 8, 17, and 18.

Land, level salt bed.

No timber.

The cor. of secs. 7, 12, 13, and 18 on W. bdy. of Tp. being plainly visible, I run for said corner,

S. 89° 56' W. on random line bet. secs. 7 and 18,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.62 Intersect W. bdy. of Tp. at the cor. of secs. 7, 12, 13, and 18, which is a glass deposit with pits and mound, and stake in pit, 2 ins. sq., 12 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run

N. 89° 56' E. on true line bet. secs. 7 and 18,

Over level salt bed.

37.62 Set a redwood post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 7 on N. face, and 18 on S. face. Pits and mound impracticable.

77.62 The cor. of secs. 7, 8, 17, and 18.

Land, level salt bed.

No timber.

N. 0° 04' W. bet. secs. 7 and 8,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground; for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 7 on W. face, and 8 on E. face. Pits and mound impracticable.

80.00 Set

SUBDIVISION OF T. 2 S., R. 18 W.

Chains.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8 marked

T 2 S S 5 on NE.

R 18 W S. 8 on SE.,

S 7 on SW., and

S 6 on NW. face, with 5 notches on S. and E. edges.

Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 4, 5, 8 and 9 being plainly visible I run for said corner,

N. 89° 52' E. on random line bet. secs. 5 and 8,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line at the cor. of secs. 4, 5, 8, and 9, Thence I run

S. 89° 52' W. on true line bet. secs. 5 and 8,

Over level salt bed.

39.98 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 5 on N. face, and 8 on S. face. Pits and mound impracticable.

79.96 The cor. of secs. 5, 6, 7, and 8.

Land, level salt bed.

No timber.

The cor. of secs. 1, 6, 7, and 12 on W. bdy. of Tp. being plainly visible, I run for said corner,

S. 89° 56' E. on a random line bet. secs. 6 and 7,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.57 Intersect W. bdy. of Tp. at the cor. of secs. 1, 6, 7, and 12

SUBDIVISION OF T. 2 S., R. 18 W.

Chains. which is a glass deposit, with pits and mound, and stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general.

Thence I run

N.89° 56'E.on true line bet.secs.6 and 7,

Over level salt bed.

37.57 Set a redwood post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 6 on N.face, and 7 on S.face, Pits and mound impracticable.

77.57 The cor.of secs.5,6,7, and 8.

Land, level salt bed.

No timber.

The cor.of secs.5,6,31 and 32 on N.bdy.of Tp.being plainly visible I run for said corner,

N.0° 06'W.bet.secs.5 and 6,on random line,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.14 Intersect N.bdy.of Tp.at the cor.of secs.5,6,31 and 32, which is a pine stake 2 ins.sq., 12 ins.above ground marked and witnessed as described by the surveyor general. Thence I run

S.0° 06'E.bet.secs.5 and 6,

Over level salt bed.

40.14 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 6 on W.face, and 5 on E.face. Pits and mound impracticable.

80.14 The cor.of secs.5,6,7, and 8.

Land, level salt bed.

No timber.

Sept.18, 1908.

SUBDIVISION OF T. 2 S., R. 18 W.

GENERAL DESCRIPTION.

This township contains only salt and alkali lands. All of sections 31, 32, 35, and 36, major portions of sec. 25, 26, 30, 33, & 34, and SW. portion of sec. 29 consist of a barren flat, unfit for any kind of agricultural crops. The remaining portion of this township contains a deposit of salt varying in thickness from 1 inch to many feet in depth; and from the surface indications it is soft great value as it seems to be almost pure.

I found no indications of mineral other than the salt. There is no timber; nor water in the township.

There are no settlers in the township.

Robert E. R. Callier
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 ng the lines and corners described in the foregoing field notes of the survey of _____

g the respective capacities in which they acted:

list of names and final oaths of assistants see book "L", *Chainman*.

p. 2 S., E. 17 W. _____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Asman*.

_____, *Asman*.

_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all

parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

foregoing field notes as having been surveyed by him and under his direction; and that said survey

een in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

monuments established, according to the instructions furnished by the United States Surveyor

al for _____

_____, *Chainman*.

_____, *Chainman*.

_____, *Moundman*.

_____, *Moundman*.

_____, *Asman*.

_____, *Asman*.

_____, *Flagman*.

ribed and sworn to before me this _____ }

ay of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____ United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from _____
United States Surveyor General for _____, bearing date of
_____ day of _____, 190____, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Su-
General for _____, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of _____

See also 10-1-1913 see book "L" Tp. 2 S., R. 17 W.

_____ of the _____
_____ meridian, in the _____ of _____, which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Survey General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. R. Collier

United States Deputy Surveyor

Subscribed by said....., and sworn to before me }
this..... day of....., 190..... }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, Jan:21, 192

The foregoing field notes of the survey of the subdivisional lines of Township
No. 3 South Range No. 18 East of the Salt Lake Base and Meridian,
Utah,

executed by Robert E. L. Collier
under his contract No. 771, dated March 5, 1908, having
carefully examined, and the necessary corrections and explanations made, the said field notes, and
specimens therein described, are hereby approved.

March 1, 1900, having
 corrections and explanations made, the said field notes, and
 ed.
Thomas H. Russell
 United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
_____ has been correctly copied from the original notes on file in this office:

United States Surveyor C.

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PAGE

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PAGE

4-679.

BOOK A-346

J.

FILED
OCT 12 1908

FIELD NOTES

OF THE SURVEY OF THE

GUIDE MERIDIAN

TOWNSHIP NO. 2 SOUTH

BETWEEN

RANGES NO. 16 AND 17 WEST

Of the SALT LAKE BASE AND Meridian,

U T A H,

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908,

survey commenced September 19, 1908,

survey completed September 20, 1908.

6-00-00

4/22/22 2:29 PM 4/22/22 2:29 PM

BOOK A-346

INDEX DIAGRAM.

Township 2 South, Range 17 West

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Gentry, David Sharp Jr. and Robt. T. Collier and David Rodger
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
the Guide Meridian, Township 2 South, between Rs. 16 and 17 W. of the
Salt Lake Base and Meridian, Utah.

Ralph Gentry
Robt. T. Collier

David Sharp Jr., Chainman
David Rodger, Chainman

Subscribed and sworn to before me this 19th

day of August, 1908



Henry M. Cottonson
Wm. H. Phillips

WE, I. R. Harold Browne and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given ^{me} us, to the best of our skill and ability, in the survey
the Guide Meridian, Township 2 South, between Rs. 16 and 17 W. of the
Salt Lake Base and Meridian, Utah.

I. R. Harold Browne, Moundman
Moundman

Subscribed and sworn to before me this 19th

day of August, 1908



Henry M. Cottonson
Wm. H. Phillips

WE, _____ and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

Subscribed and sworn to before me this _____

day of _____, 190 _____



I, Ralph M. Wind, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of the Guide Meridian, Township 2 South, between Rs. 16 and 17 W
of the Salt Lake Base and Meridian, Utah.

Ralph M. Wind, Flagman

Subscribed and sworn to before me this 19th

day of August, 1908



Henry M. Cottonson
Wm. H. Phillips

AN TP.2 S. BETWEEN RS.16 and 1 W.

Chains. Survey commenced Sept.19, 1908 and executed with the instrument described in book "A" of this survey.

At the cor.of Tps.1 and 2 S., Rs.16 and 17 W., which is a glass deposit, with pits and mound and pine stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general, lat.40° 40' 51" N.; long.113° 42' 53" W., at 7 h. 35 m. by my watch which is 3 m.slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs.N.of my station.

Sept.20: at 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18° 0' W. which gives the mag.decl. 18° 0' E.

Thence I run with two sets of chainmen,

South bet.secs.1 and 6,

Over level alkali land.

Difference bet.measurement of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point

By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

40.00 Deposit a quart of charcoal 12 ins.in the ground for

$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base,

$1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 1 on W.face, and 6 on E.face.

GUIDE MERIDIAN TP. 2 S., BETWEEN RS.16 and 17 W.

Chains. Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 80.02 chs.

By 2d set 79.98 chs., the mean of which is

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked

T. 2 S S 6 on NE.

R 16 W S 7 on SE.

S 12 on SW., and

R 17 W S 1 on NW. face, with 1 notch on N. and 5 notches on S. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

South bet. secs. 7 and 12,

Over level alkali land.

Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 12 on W. face, and 7 on E. face.

Difference between measurement of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 80.03 chs.

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GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 1 W.

Chains. By 2d set 79.97 chs., the mean of which is
 80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of
 charcoal, 24 ins.in the ground, for cor.of secs.7,12,
 13, and 18, marked
 T 2 S S 7 on NE.
 R 16 W S 18 on SE.
 S 13 on SW., and
 R 17 W S 12 on NW.face, with 2 notches on N. and
 4 notches on S.edge; dig pits 18 x 18 x 12 ins.in
 each sec.5½ ft.dist.; and raise a mound of earth 4
 ft.base, 2 ft.high W.of cor.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

South bet.secs.13 and 18,
 Over level alkali land.
 Difference bet.measurement of 40.00 chs. by two sets
 of chainmen is 3 lks.; position of middle point
 By 1st set 39.98½ chs.
 By 2d set 40.01½ chs., the mean of which is
 40.00 Deposit a quart of charcoal 12 ins.in the ground, for
 ¼ sec.cor.; dig pits 18 x 18 x 12ins.N. and S.of cor.
 4 ft.dist.; and raise a mound of earth 3½ ft.base,
 1½ ft.high over deposit.
 In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 ¼ S 13 on W.face, and 18 on E.face.
 Difference bet.measurement of 80.00 chs.by two sets of
 chainmen is 4 lks.; position of middle point
 By 1st set 80.02 chs.
 By 2d set 79.98 chs., the mean of which is

GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 17 W.

Chains.
80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart, of charcoal, 24 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, marked

T 2 S S 18 on NE.

R 16 W S 19 on SE.,

S 24 on SW., and

R 17 W S 13 on NW. face, with 3 notches on N. and

S. edges; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.;

raise a mound of earth 4 ft. base, 2 ft. high W. of cor. land, level.

Soil, alkali; 4th rate.

No timber.

South bet. secs. 19 and 24,

Over level alkali land.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor., 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 24 on W. face, and 19 on E. face.

Difference bet. measurement of 80.00 chs. by two sets of chainmen is 5 lks.; position of middle point

By 1st set 80.02 $\frac{1}{2}$ chs.

By 2d set 79.97 $\frac{1}{2}$ chs., the mean of which is

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 19, 24, 25, and 30; marked

T 2 S S 19 on NE.

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GUIDE MERIDIAN TP.2 S. BETWEEN RS.16 and 17 W.

Chains

R 16 W S 30 on SE.

S 25 on SW., and

R 17 W S 24 on NW.face, with 4 notches on N. and 2 notches on S.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist., and raise a mound of earth $7\frac{1}{4}$ ft. base, 3 ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

South bet.secs.25 and 30,

Over level alkali land..

Difference bet.measurement of 40.00 chs.by two sets of chainmen is 1 lk.; position of middle point

By 1st set $40.00\frac{1}{2}$ chs.By 2d set $39.99\frac{1}{2}$ chs., the mean of which is

40.00

Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$ S 25 on W.face, and 30 on E.face.

Difference bet.measurement of 80.00 chs.by two sets of chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs., the mean of which is

80.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.25, 30, 31, and 36, marked

T 2 S S 30 on NE.

R 16 W S 31 on SE.

S 36 on SW., and

GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 17 W.

Chains.

R 17 W S 25 on NW.face, with 5 notches on N. and 1 notch on S.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft. base, 3 ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

South bet.secs.31 and 36.

Over level alkali land.

Difference between measurement of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point

By 1st set 39.98 chs.

By 2d set 40.02 chs., the mean of which is

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2-ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 36 on W.face, and 31 on E.face.

Difference between measurement of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 80.02 chs.

By 2d set 79.98 chs., the mean of which is

80.00 Set a pine post 3 ft.long, 4-ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of Tps.2 and 3 S, Rs.16 and 17 W.; marked

T 2 S S 31 on NE.

R 16 W S 6 on SE.

T 3 S S 1 on SW., and

R 17 W S 36 on NW.face, with 6 notches on each edge; dig pits 24 x 24 x 12 ins.on each line N., E.

-7-

GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 17 W.

Chains. and W.4 ft., and S. of post 8 ft. dist.; and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high S. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept 220, 1908.

For general description see notes of subdivision of Tp.2 S., R. 17 W.

Robert E. L. Callie
U.S. Deputy Surveyor.

Volume
#
R0346

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert E.L. Collier
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of the Guide Meri-
idian Township 2 South, between Rs.16 and 17 W. of the Salt Lake Base
Meridian, Utah,
 showing the respective capacities in which they acted:

Ralph Gentry, Chainman, David Sharp Jr. _____, Chainman.

Robt. T. Collier, Chainman, David Rodger _____, Chainman.

_____, Moundman.

R. Harold Browne _____, Moundman.

_____, Axman.

_____, Axman.

Ralph M. Wind _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E.L. Collier
 _____, United States Deputy Surveyor, in surveying all
 those parts or portions of the Guide Meridian Township 2 South, between Rs.16 and
West

_____ of the Salt Lake
Base and _____ meridian, State _____ of Utah _____, which are represented
 the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah.

Ralph Gentry _____, Chainman.

Robt. T. Collier. _____, Chainman.

David Sharp Jr. _____, Chainman.

David Rodger _____, Chainman.

R. Harold Browne _____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

Ralph M. Wind _____, Flagman.

Subscribed and sworn to before me this 1st
 day of October, 1908



Henry M. Mathewson
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L. Collier, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 5th day of March, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Guide Meridian Township No. 2 South, between Ranges 16 and 17 West of

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor

Subscribed by said Robert E.L. Collier, and sworn to before me }
this 12th day of October, 1908.



Thomas Hull

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21., 1909.

The foregoing field notes of the survey of the Guide Meridian Township No. 2 South, between Ranges 16 and 17 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E.L. Collier under his contract No. 301, dated March 5, 1908, having critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

BOOK A-346

K.
FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 12 1908

S O U T H B O U N D A R Y

O F

TOWNSHIP NO. 2 SOUTH

RANGE NO. 17 WEST

Of the SALT LAKE BASE AND Meridian,

U T A H.

AS SURVEYED BY

Robert E.L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908.

Survey commenced September 20, 1908.

Survey completed September 20, 1908.

578-52

NAMES AND DUTIES OF ASSISTANTS.

.....Ralph Gentry,.....Chairman.....

.....David Sharp Jr.,.....Chairman.....

.....R.Harold Browne,.....Moundman,.....

.....Ralph M.Wind,.....Flagman.....

For preliminary affidavits see book "C" T. 1 N.. R. 19 W.

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BOOK A-346

INDEX DIAGRAM.

Township 2 South, Range 17 West

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31	32	33	34	35	36
1	2	2	3	4	4

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey _____

_____, Chainman
_____, Chainman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey _____

_____, Moundman
_____, Moundman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey _____

_____, Axman
_____, Axman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman

Subscribed and sworn to before me this _____ }
day of _____, 190 }



SOUTH BOUNDARY T. 2 S., R. 17 W.

Chains. Survey commenced Sept. 20, 1908, and executed with the instrument described in book "A" of this survey. From the cor. of Tps. 2 and 3 S., Rs. 16 and 17 W., established by myself this day, and heretofore described, I run West on a random line along S. bdy. of Tp., setting temporary $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and at 47852 chs. fall 44 lks. N. of the cor. of Tps. 2 and 3 S., Rs. 17 and 18 W., established by myself and heretofore described. The falling answers to a correction of $0^{\circ} 03' N.$ or 7 lks. S. per mile, counting from the S.E. cor. of the township; therefore I run $N. 89^{\circ} 57' E.$ bet. secs. 6 and 31, Over level alkali land.

38.52 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 31 on N. and 6 on S. face.

78.52 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, marked

T 2 S S 32 on NE.

R 17 W S 5 on SE.

T 3 S S 6 on SW., and

S 31 on NW. face, with 1 notch on W. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

SOUTH BOUNDARY T. 2 S., R. 17 W.

Chains. N. 89° 57' E. bet. secs. 5 and 32,
Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high over deposit.
In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked
 $\frac{1}{4}$ S 32 on N. face, and 5 on S. face.

60.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for cor. of secs. 4, 5,
32 and 33, marked
T 2 S S 33 on NE.
R 17 W S 4 on SE.
T 3 S S 5 on SW., and
S 32 on NW. face, with 2 notches on W. and 4 notch-
es on E. edge; dig pits 18 x 18 x 12 ins. in each sec.
4 ft. dist., and raise a mound of earth 4 ft. base, 2
ft. high W. of cor.
Land, level.
Soil, alkali; 4th rate.
No timber.

N. 89° 57' E. bet. secs. 4 and 33,
Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. dig pits 18 x 18 x 12 ins. E. and W. of cor.
4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high over deposit.
In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked
 $\frac{1}{4}$ S 33 on N. face, and 4 on S. face.

60.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of

SOUTH BOUNDARY T. 2 S., R. 17 W.

Chains.

charcoal, 24 ins.in the ground, for cor.of secs.3,4,33
and 34, marked

T 2 S S 34 on NE.

R 17 W S 3 on SE.

T 3 S S 4 on SW., and

S 33 on NW.face; with 3 notches on E. and W.edges;
dig pits 18 x 18 x 12 ins.in each sec.5½ ft.dist.; and
raise a mound of earth 4 ft.base, 2 ft.high W.of cor.
Land, level.

Soil, alkali; 4th rate.

No timber.

N.69° 57'E.bet.secs.3 and 34,

Over level alkali land.

40.00

Deposit a quart.of charcoal 12 ins.in the ground, for
¼ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
cor.4 ft.dist.; and raise a mound of earth 3½ ft.
base, 1½ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

¼ S 34 on N.face, and 3 on S.face.

80.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of
charcoal, 24 ins.in the ground, for cor.of secs.2,3,
34, and 35, marked

T 2 S S 35 on NE.

R 17 W S 2 on SE.

T 3 S S 3 on SW., and

S 34 on NW.face, with 2 notches on E. and 4 notch-
es on W.edge; dig pits 18 x 18 x 12 ins.in each sec.
5½ ft.dist.; and raise a mound of earth 4 ft.base, 2
ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

SOUTH BOUNDARY T. 2 S., R. 17 W.

Chains. No timber.

N. 89° 57' E. bet. secs. 2 and 35,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. ; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 35 on N. face, and 2 on S. face.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, marked

T 2 S S 36 on NE.

R 17 W S 1 on SE.

T 3 S S 2 on SW., and

S 35 on NW. face, with 1 notch on E. and 5 notches on W. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 89° 57' E. bet. secs. 1 and 36,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

SOUTH BOUNDARY T. 2 S., R. 17 W.

Chains.

ins.in the ground, marked

$\frac{1}{2}$ S 36 on N.face, and 1 on S.face.

80.00

The cor.of Tps.2 and 3 S., Rs.16 and 17 W.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept.20, 1908.

For general description see notes of the subdivision of this township.

BOUNDARIES OF T. 2 S., R. 17 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True	Dist.	Latitudes				Departures.	
	Bearing		N.	S.	E.	W.		
		chs.	chs.	chs.	chs.	chs.		
North Boundary	East	477.52	.....	.....	477.52	.....	
East Boundary	South	480.00	.....	480.00	.....	.....
South Boundary	S.89°57'W.	478.52	.....	.44	.....	478.52		
West Boundary	North	480.00	480.00	.....	.....	.....
Convergence							.63	
Totals			480.00	480.44	478.15	478.52		
				480.00		478.15		
Error in lat.and dep.				.44		.37		

Robert E. R. Calliet
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert E. L. Collier

_____, United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of N. Bdy. T. 1 N. 19 W.; S. Bdy. T. 1 S., R. 19 W.; S. and E. Bdys. T. 2 S., R. 18 W.; and Bdy. T. 2 S., R. 17 W. of the Salt Lake Base and Meridian, Utah
 owing the respective capacities in which they acted:

Ralph Gentry _____, *Chainman.*

David Sharp Jr. _____, *Chainman.*

R. Harold Browne _____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

Ralph M. Wind _____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E. L. Collier

_____, United States Deputy Surveyor, in surveying all
 those parts or portions of the N. Bdy. T. 1 N., R. 19 W.; S. Bdy. T. 1 S., R. 19 W.;
 and E. Bdys. T. 2 S., R. 18 W.; and S. Bdy. T. 2 S., R. 17 W. of the Salt
 Lake Base and Meridian

_____ of the _____

_____ meridian, _____ State _____ of _____ Utah _____, which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for _____ Utah.

Ralph Gentry _____, *Chainman.*

David Sharp Jr. _____, *Chainman.*

R. Harold Browne _____, *Moundman.*

_____, *Moundman.*

_____, *Asman.*

_____, *Asman.*

Ralph M. Wind _____, *Flagman.*

described and sworn to before me this _____
 day of _____, 190_____



Henry M. Matheson
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L. Collier, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 5th day of March, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of N.Bdy.T. 1 N., R. 19 W.; S.Bdy.T. 1 S., R. 19 W.; S. and E.Bdys.T. 2 S., R. 18 W.; and S.Bdy.T. 2 S., R. 17 W.

Base and meridian, in the State of Utah, which are represented in the in books C.E.H. and K. foregoing field notes, as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor.

Subscribed by said Robert E.L. Collier, and sworn to before me }
this 12th day of October, 1908.



Thomas Hull

U.S. Surveyor-General

APPROVAL. for Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, 1909

The foregoing field notes of the survey of the South Boundary of Township No. 2 South, Range No. 17 West of the Salt Lake Base and Meridian, Utah.

executed by Robert E.L. Collier
under his contract No. 301, dated March 5, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull

United States Surveyor-General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

BOOK A-346

L.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP NO. 2 SOUTH,

RANGE NO. 17 WEST

Of the SALT LAKE BASE AND Meridian,

UTAH,

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

under his Contract No. 301, dated March 5, 1908.

Survey commenced Sept. 20, 1908,

Survey completed Sept. 23, 1908.

59-69-78

FILED
OCT 16 1908

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chairman.

David Sharp Jr. Chairman.

R. Harold Browne, Moundman.

Ralph M. Wind, Flagman.

For preliminary affidavits see book "D" T. 1 H., R. 19 W.

BOOK A-346

INDEX DIAGRAM.

Township 2 south, Range 17 West

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37	28	20	16	12	5
37	36	27	20	12	5
35	27	19	11	11	4
35	34	26	18	11	3
34	25	18	10	10	2
33	33	25	17	9	2
32	24	16	9	10	1

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman*_____, *Chainman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman*_____, *Moundman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of _____ and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman*_____, *Axman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



SUBDIVISION OF T. 2 S., R. 17 W.

Chains. Survey commenced Sept. 20, 1908, and executed with the instrument described in book "A" of this survey.

At the cor. of secs. 1, 2, 35, and 36 on S. bdy. of Tp., established by myself and heretofore described, lat. $40^{\circ} 35' 38''$ N.; long. $113^{\circ} 44' 01''$ W.; at 7 h. $31^{\text{p.m.}}$ m. by my watch which is 3 m. slow of L.M.T. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station.

Sept. 21, at 7 h. 30 m. a.m. I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the magnetic bearing of the true meridian is N. $18^{\circ} 0' \text{W.}$, which gives the mag. decl. $18^{\circ} 0' \text{E.}$

Thence I run

N. $0^{\circ} 01' \text{W.}$ bet. secs. 35 and 36,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits $18 \times 18 \times 12$ ins. N. and S. of cor. 4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 35 on W. face, and 36 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 25, 26, 35, and 36; dig pits $18 \times 18 \times 12$ ins. in each sec. 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. T 2 S S 25 on NE.
 R 17 W S 36 on SE.
 S 35 on SW., and
 S 26 on NW. face, with 1 notch on S. and E. edges.
 Land, level.
 Soil; alkali; 4th rate.
 No timber.

The cor. of secs. 25, 30, 31, and 36 being plainly visible
 I run for said corner,

N. 89° 55' E. on a random line bet. secs. 25 and 36,

40.00 Set temp. $\frac{1}{4}$ sec. cor..

79.98 Intersect E. bdy. of Tp. at the cor. of secs. 25, 30, 31, and
 36, established by myself and heretofore described.

Thence I run

S. 89° 55' W. on true line bet. secs. 25 and 36,

Over level alkali land.

39.99 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.
 4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$
 ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

$\frac{1}{4}$ S 25 on N. face, and 36 on S. face.

79.98 The cor. of secs. 25, 26, 35, and 36.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 01' W. bet. secs. 25 and 26,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for

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SUBDIVISION OF T. 2 S. R. 1 W.

Chains $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 26 on W.face, and 25 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs. 23,24,25, and 26; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 24 on NE.

E 17 W S 25 on SE.

S 26 on SW., and

S 23 on NW.face, with 1 notch on E. and 2 notches on S.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.19,24,25, and 30 on E.bdy.of Tp.being plainly visible, I run for said corner,

N.89° 56'E.on a random line bet.secs.24 and 25

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.96 Intersect E.bdy.of Tp.at the cor.of secs.19,24,25, and 30, established by myself and heretofore described.

Thence I run

S.89° 56'W.on a true line bet.secs.24 and 25, over level alkali land.

39.98 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 24 on N.face, and 25 on S.face.

79.96 The cor.of secs.23,24,25, and 26.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.0° 01'W.bet.secs.23 and 24,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 in ins.in the ground, marked

$\frac{1}{4}$ S 23 on W.face, and 24 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.13,14,23, and 24; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground marked

T 2 S S 13 on NE.

R 17 W S 24 on SE.

S 23 on SW., and

S 14 on NW.face, with 1 notch on E. and 3 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

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SUBDIVISION OF T. 2 S., R. 17 W.

Chains The cor. of secs. 13, 18, 19[✓] and 24 being plainly visible

I run for said corner,

N. 89° 56' E. on a random line bet. secs. 13 and 24,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect E. bdy. of Tp. at the cor. of secs. 13, 18, 19[✓],
and 24, established by myself and heretofore de-
scribed. Thence I run

S. 89° 56' W. on true line bet. secs. 13 and 24,

Over level alkali land.

39.99 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
cor. 4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

$\frac{1}{4}$ S 13 on N. face, and 24 on S. face.

79.98 The cor. of secs. 13, 14, 23[✓], and 24.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 01' W. bet. secs. 13 and 14,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$
sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.
4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

$\frac{1}{4}$ S 14 on W. face, and 13 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for
cor. of secs. 11, 12, 13[✓], and 14; dig pits 18 x 18 x 12
ins. in each sec. 4 ft. dist., and raise a mound of
earth $\frac{1}{2}$ ft. base 2 ft. high over deposit.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 12 on NE.

R 17 W S 13 on SE.

S 14 on SW., and

S 11 on NW. face, with 1 notch on E. and 4 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 7, 12, 13, and 18 being plainly visible

I run for said corner,

N. 89° 56' E. on a random line bet. secs. 12 and 13

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect E. bdy. of Tp. at the cor. of secs. 7, 12, 13, and 18, established by myself and heretofore described.

Thence I run

S. 89° 56' W. on true line bet. secs. 12 and 13,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 12 on N. face, and 13 on S. face.

80.00 The cor. of secs. 11, 12, 13, and 14.

Land, level.

Soil, alkali; 4th rate.

No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. N. 0° 01' W. bet. secs. 11 and 12,
Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor
 4 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$
 ft. high over deposit.
 In S. pit drive a pine stake 2 ft. long, 2 ins. sq.,
 12 ins. in the ground, marked
 $\frac{1}{4}$ S 11 on W. face, and 12 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for
 cor. of secs. 1, 2, 11, and 12; dig pits 18 x 18 x 12
 ins. in each sec. 4 ft. dist., and raise a mound of
 earth 4 ft. base, 2 ft. high over deposit.
 In S.E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked
 T 2 S S1 on NE.
 R 17 W S 12 on SE.
 S 11 on SW., and
 S 2 on NW. face, with 1 notch on E. and 5 notches
 on S. edge.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

The cor. of secs. 1, 6, 7, and 12 on E. bdy. of Tp. being
 plainly visible, I run for said corner,
 N. 89° 56' E. on a random line bet. secs. 1 and 12,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line at the cor. of secs. 1, 6, 7, and
 12, established by myself and heretofore described.
 Thence I run
 S 89° 56' W. on true line bet. secs. 1 and 12,
 Over level alkali land.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains
40.00

Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 1 on N.face, and 12 on S.face.

80.00

The cor.of secs.1,2,11, and 12.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.1,2,35, and 36 on N.bdy.of Tp.being plainly visible, I run for said corner,

N.0° 01'W'bet.secs.1 and 2, on random line,

40.00

Set temp. $\frac{1}{4}$ sec.cor.

80.00

Intersect N.bdy.of Tp. at the cor.of secs.1,2,35, and 36, which is a glass deposit with pits and mound and stake 2 ins.sq., 12 ins.above ground,marked and witnessed as described by the surveyor general.

Thence I run

S.0° 01'E'bet.secs.1 and 2 on true line,

Over level alkali land,

40.00

Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.;dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.;and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 2 on W.face, and 1 on E.face.

80.00

The cor.of secs.1,2,11, and 12.

Land, level a

Soil, alkali; 4thrate. No timber.

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Chains.

From the cor. of secs. 2, 3, 34, and 35 on S. bay of Tp.,
established by myself and heretofore described, I run

N. 0° 02' W. bet. secs. 34 and 35,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of
 cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

$\frac{1}{4}$ S 34 on W. face, and 35 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for
 cor. of secs. 26, 27, 34, and 35; dig pits 18 x 18 x 12
 ins. in each sec. 4 ft. dist.; and raise a mound of
 earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked

T 2 S S 26 on NE.

R 17 W S 35 on SE.

S 34 on SW., and

S 27 on NW. face, with 2 notches on E. and 1 notch
 on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 89° 56' E. on a random line bet. secs. 26 and 35,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 25, 26, 35,
 and 36. Thence I run

S. 89° 56' W. on a true line bet. secs. 26 and 35,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for

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Chains.

$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N.E. and W.of
cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

$\frac{1}{4}$ S 26 on N.face, and 35 on S.face.

50.00 The cor.of secs.26,27,34, and 35.
Land, level.
Soil, alkali; 4th rate.
No timber.

N.0° 02'W.bet.secs.26 and 27,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base
 $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

$\frac{1}{4}$ S 27 on W.face, and 26 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for
cor.of secs.22,23,26, and 27; dig pits 18 x 18 x 12
ins. in each sec.4 ft.dist.; and raise a mound of
earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

T 2 S S 23 on NE.

R 17 W S 26 on SE.

S 27 on SW., and

S 22 on NW.face,with 2 notches on S. and E.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.	The cor.of secs.23,24,25, and 26 being plainly visible I run for said corner N.89° 56'E.on a random line bet.secs.23 and 26
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.23,24,25, and 26. Thence I run S.89° 56'W.on true line bet.secs.23 and 26, Over level alkali land
40.00	Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 23 on N.face, and 26 on S.face.
80.00	The cor.of secs.22,23,26, and 27. Land, level. Soil, alkali; 4th rate. No timber.
	N.0° 02'W.bet.secs.22 and 23, Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 22 on W.face, and 23 on E.face.
80.00	Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.14,15,22, and 23; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, $3\frac{1}{2}$ ft.high over deposit.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 14 on NE.

E 17 W S 23 on SE.

S 22 on SW., and

S 15 on NW. face, with 2 notches on E. and 4 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 13, 14, 23, and 24 being plainly visible

I run for said corner,

N. 89° 56' E. on a random line bet. secs. 14 and 23,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line at the cor. of secs. 13, 14, 23, and 24. Thence I run

S. 89° 56' W. on true line bet. secs. 14 and 23,

Over level alkali land.

39.98 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 14 on N. face, and 23 on S. face.

79.96 The cor. of secs. 14, 15, 22, and 23.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 02' W. bet. secs. 14 and 15,

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SUBDIVISION OF T. 2 S., R. 17 W.

Chains. Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 15 on W. face, and 14 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for cor. of secs. 10, 11, 14, and 15; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 11 on NE.

R 17 W S 14 on SE.

S 15 on SW., and

S 10 on NW. face; with 2 notches on E. and 4 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 11, 12, 13, and 14 being plainly visible I run for said corner

N. $89^{\circ} 58'$ E. on a random line bet. secs. 11 and 14,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line at the cor. of secs. 11, 12, 13, and 14. Thence I run

S. $89^{\circ} 58'$ W. on true line bet. secs. 11 and 14,

Over level alkali land.

39.98 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.

SUBDIVISION OF T. 2 S. R. 17 W.

Chains. 4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 11 on N. face, and 14 on S. face.

79.96 The cor. of secs. 10, 11, 14, and 15.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 02' W. bet. secs. 10 and 11,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for

$\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 10 on W. face, and 11 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for

cor. of secs. 2, 3, 10, and 11; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T. 2 S. S. 2 on NE.

R. 17 W. S. 11 on SE.

S. 10 on SW., and

S. 3 on NW. face, with 2 notches on E. and 5 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

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SUBDIVISION OF T. 2 S., R. 17 W.

Chains. The cor.of secs.1,2,11, and 12 being plainly visible
 I run for said corner
 N.89°59'E.on a random line bet.secs.2 and 11,
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.96 Intersect N. and S.line at the cor.of secs.1,2,11, and
 12. Thence I run
 S.89° 59'W.on a true line bet.secs.2 and 11,
 Over level alkali land.
 39.98 Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18" x 12.ins.E. and W.of
 cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base
 $1\frac{1}{2}$ ft.high over deposit.
 In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
 ins.in the ground, marked
 $\frac{1}{4}$ S.2 on N.face, and 11 on S.face.
 79.96 The cor.of secs.2,3,10, and 11.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

The cor.of secs.2,3,34, and 35 on N.bdy.of Tp.being
 plainly visible, I run for said corner
 N.0° 05'W.on random line bet.secs.2 and 3,
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.94 Intersect N.bdy.of Tp.at the cor.of secs.2,3,34, and
 35, which is a glass deposit, pits and mound of earth
 with pine stake 2 ins.sq., 12 ins.above ground,
 marked and witnessed as described by the surveyor
 general. Thence I run
 S.0° 05'E.on true line bet.secs.2 and 3,
 Over level alkali land.
 39,94 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$

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Chains. sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
ins.in the ground, marked

$\frac{1}{4}$ S $\frac{3}{4}$ on W.face, and 2 on E.face.

79.94 The cor.of secs.2,3,10, and 11.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept.21, 1908.

Sept.21: At the cor.of secs.3,4,33 and 34 on S.bdy.of
Tp. established by myself and heretofore described,
lat. $40^{\circ} 35' 38''$ N.; long. $113^{\circ} 46' 18''$ W.at 7h:27m.p.m.by
my watch 3m.slow of time. I observe Polaris at E.elong.
accordance with instructions in the Manual, and mark
a point in the line thus determined on a stake driven
in the ground 4 chs.N.of my station.

Sept.22: At 7 h. 30 m.a.m.I.lay off the azimuth of Po-
laris $1^{\circ} 34'$ to the west and mark the meridian thus
determined by cutting a mark on a stone firmly set in
the ground west of the point established last night.
The magnetic bearing of the true meridian is N. $17^{\circ} 45'$ W.

Which gives the mag.decl. $17^{\circ} 45'$ E.

Thence I run

N. $0^{\circ} 03'$ W.bet.secs.33 and 34,

Over level alkali land.

40.00

Deposit a quart of charcoal 12 ins.in the ground, for
 $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
ft.high over deposit.

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SUBDIVISION OF T. 2 S., R. 17 W.

Chains In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{2}$ S 33 on W.face, and 34 on E.face.

50.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.27,28,33, and 34; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 27 on NE.

R 17 W S 34 on SE.

S 33 on SW., and

S 28 on NW.face, with 1 notch on S. and 3 notches on E.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.26,27,34, and 35 being plainly visible

I run for said corner,

N.89° 55'E.on a random line bet.secs.27 and 34,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.92 Intersect N. and S.line at the cor.of secs.26,27,34, and 35. Thence I run

S.89° 55'W.on true line bet.secs.27 and 34,

Over level alkali land.

39.96 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor 4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 27 on N.face, and 34 on S.face.

SUBDIVISION OF T. 2 S. R. 17 W.

Chains.
79.92

The cor. of secs. 27, 28, 33, and 34.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 03' W. bet. secs. 27 and 28,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 28 on W. face, and 27 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground for cor. of secs. 21, 22, 27, and 28; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 22 on NE.

R 17 W S 27 on SE.

S 28 on SW., and

S 21 on NW. face, with 2 notches on S. and 3 notches on S. edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 22, 23, 26, and 27 being plainly visible

I run for said corner,

N. 89° 55' E. on a random line bet. secs. 22 and 27,

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Chains.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N. and S. line at the cor. of secs. 22, 23, 26, and 27. Thence I run
S. $89^{\circ} 55'$ W. on true line bet. secs. 22 and 27,
over level alkali land.
- 39.97 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high over deposit.
In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked
 $\frac{1}{4}$ S. 22 on N. face, and 27 on S. face.
- 79.94 The cor. of secs. 21, 22, 27, and 28.
Land, level.
Soil, alkali; 4th rate.
No timber.
N. $0^{\circ} 03'$ W. bet. secs. 21 and 22,
Over level alkali land.
- 20.00 Leave alkali; enter salt land.
- 40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$
sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.
4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high over deposit.
In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked
 $\frac{1}{4}$ S. 21 on W. face, and 22 on E. face.
- 42.00 Leave salt land; enter alkali land.
- 80.00 Deposit a quart of charcoal 12 ins. in the ground, for
cor. of secs. 15, 16, 21, and 22; dig pits 18 x 18 x 12
ins. in each sec. 4 ft. dist.; and raise a mound of
earth 4 ft. base, 2 ft. high over deposit.
In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

SUBDIVISION OF T. 2 S. R. 17 W.

Chains.

T 2 S S 15 on NW.

R 17 W S 22 on SE.

S 21 on SW., and

S 16 on NW. face, with 3 notches on S. and E. edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 14, 15, 22, and 23 being plainly visible

I run for said corner,

N. 89° 55' E. on a random line bet. secs. 15 and 22,

40.00 Set temp. $\frac{1}{4}$ sec. cor. and.

79.96 Intersect N. and S. line at the cor. of secs. 14, 15, 22, and 23. Thence I run

S. 89° 55' W. on true line bet. secs. 15 and 22,

Over level alkali land.

39.98 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

 $\frac{1}{4}$ S 15 on N. face, and 22 on S. face.

79.96 The cor. of secs. 15, 16, 21, and 22.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 03' W. bet. secs. 15 and 16,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 16 on W.face, and 15 on E.face.
80.00	Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.9,10,15, and 16; dig pits 18 x 15 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 2 S S 10 on NE.
	R 17 W S 15 on SE.
	S 16 on SW., and
	S 9 on NW.face; with 3 notches on E. and 4 notches on S.edge.
	Land, level.
	Soil, alkali 4th rate.
	No timber.
	The cor.of secs. 10,11,14, and 15 being plainly visible, I run for said corner,
	N.89° 55'E.on a random line bet.secs.10 and 15,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run
	S.89° 55'W.on a true line bet.secs.10. and 15,
	Over level alkali land.
39.99	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. ins.in the ground, marked

$\frac{1}{4}$ S 10 on N.face, and 15 on S.face.

79.98 The cor.of secs.9,10,15, and 16.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.0° 03'W.bet.secs.9 and 10,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for

$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base

$1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 9 on W.face, and 10 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for

cor.of secs.3,4,9, and 10; dig pits 18 x 18 x 12 ins.

in each sec.4 ft.dist.; and raise a mound of earth 4

ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 3 on NE.

R 17 W S 10 on SE.

S 9 on SW., and

S 4 on NW.face; with 3 notches on E. and 5 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.2,3,10, and 11 being plainly visible

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Chains. I run for said corner,
 N. $89^{\circ} 59'$ E. on a random line bet. secs. 3 and 10,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line at the cor. of secs. 2, 3, 10, and
 11. Thence I run
 S. $89^{\circ} 59'$ W. on a true line bet. secs. 3 and 10,
 Over level alkali flat.
 39.98 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
 cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high over deposit.
 In E. pit drive a pine stake 2 ft. long, 2 ins. sq. 12 ins.
 in the ground, marked
 $\frac{1}{4}$ S. 3 on N. face, and 10 on S. face.
 79.96 The cor. of secs. 3, 4, 9, and 10.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

The cor. of secs. 3, 4, 33, and 34 on N. bdy. of Tp. being
 plainly visible I run for said corner,

N. $0^{\circ} 06'$ W. bet. secs. 3 and 4, on random line

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. bdy. of Tp. at the cor. of secs. 3, 4, 33, and
 34, which is a deposit of glass, with pits and mound
 and pine stake 2 ft. long, 2 ins. sq., 12 ins. above
 ground, marked and witnessed as described by the sur-
 veyor general.

Thence I run

S. $0^{\circ} 06'$ E. bet. secs. 3 and 4,

Over level alkali land.

39.94 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of

SUE DIVISION OF T. 2 S., R. 17 W.

Chains. cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 4 on W. face, and 3 on E. face.

79.94 The cor. of secs. 3, 4, 9, and 10.

Land, level.

Soil, alkali; 4th rate.

No timber.

From the cor. of secs. 4, 5, 32 and 33 on S. bdy. of Tp., established by myself and heretofore described, I run

N. $0^{\circ} 03'$ W. bet. secs. 32 and 33,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 32 on W. face, and 33 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 28, 29, 32, and 33; dig pits 18 x 18 x 12 ins. in each sec. 4 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

T 2 S S 28 on NE.

R 17 W S 33 on SE.

S 32 on SW., and

S. 29 on NW. face; with 1 notch on S. and 4 notches on E. edge.

Land, level.

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SUBDIVISION OF T. 2 S., R. 17 W.

Chains Soil, alkali; 4th rate.

No timber.

The cor. of secs. 27, 28, 33, and 34 being plainly visible

I run for said corner,

N. 89° 56' E. on a random line bet. secs. 28 and 33,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 27, 28, 33,

and 34. Thence I run

S. 89° 56' W. on true line bet. secs. 28 and 33,

Over level alkali land.

40.00m Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$

sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor.

4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

ins. in the ground, marked

$\frac{1}{4}$ S. 28 on N. face, and 33 on S. face.

80.00 The cor. of secs. 28, 29, 32, and 33.

Land, level.

Soil, alkali; 4th rate.

No timber.

N. 0° 03' W. bet. secs. 28 and 29,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for

$\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor.

4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12

ins. in the ground, marked

$\frac{1}{4}$ S. 29 on W. face, and 28 on E. face.

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Chains.
80.00

Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.20,21,28, and 29; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 21 on NE.

R 17 W S 28 on SE.

S 29 on SW., and

S 20 on NW.face, with 2 notches on S. and 4 notches on E.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.21,22,27, and 28 being plainly visible

I run for said corner,

N.89° 56'E.on a random line bet.secs.21 and 28,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.21,22,27, and 28. Thence I run

S.89° 56'W.on true line bet.secs.21 and 28,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 21 on N.face, and 28 on S.face.

80.00 The cor.of secs.20,21,28, and 29.

Land, level.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.	Soil, alkali; 4th rate.
	No timber.
	N. 0° 03' W. bet. secs. 20 and 21,
	Over level alkali land.
19.00	Leave alkali; enter salt land.
40.00	Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{2}$ sec. cor. marked $\frac{1}{4}$ S 20 on W. face, and 21 on E. face. Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
80.00	Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 16, 17, 20, and 21; marked T 2 S S 16 on NE. R 17 W S 21 on SE. S 20 on SW., and S 17 on NW. face, with 4 notches on E. and 3 notches on S. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, alkali; 4th rate. No timber.

The cor. of secs. 15, 16, 21, and 22 being plainly visible

I run for said corner,

N. 89° 56' E. on a random line bet. secs. 16 and 21,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 15, 16, 21, and 22. Thence I run

S. 89° 56' W. on true line bet. secs. 16 and 21,

Over level alkali land.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.

18.00

Leave alkali; enter salt land.

40.00

Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 in. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 16 on N. face, and 21 on S. face.

80.00

The cor. of secs. 16, 17, 20, and 21.

Land, level.

Soil, alkali; 4th rate; and salt.

No timber.

N. 0° 03' W. bet. secs. 16 and 17,

Over level salt bed.

40.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 17 on W. face, and 16 on E. face; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00

Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, marked

T 2 S S 9 on NE.

R 17 W S 16 on SE.

S 17 on SW., and

S 8 on NW. face; with 4 notches on S. and E. edges. dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level, salt bed.

No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. The cor. of secs. 9, 10, 15, and 16 being plainly visible.

I run for said corner,

N. 89° 57' E. on a random line bet. secs. 9 and 16,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 9, 10, 15, and 16. Thence I run

S. 89° 57' W. on true line bet. secs. 9 and 16,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 9 on N. face, and 16 on S. face.

70.00 Leave alkali; enter salt land.

80.00 The cor. of secs. 8, 9, 16, and 17.

Land, level.

Soil, alkali; 4th rate; and salt bed.

No timber.

N. 0° 03' W. bet. secs. 8 and 9

Over level salt bed.

12.00 Leave salt; enter alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit.

In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

$\frac{1}{4}$ S 8 on W. face, and 9 on E. face.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for cor. of secs. 4, 5, 8, and 9; dig pits 18 x 18 x 12 ins.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. in each sec. 4 ft. dist; raise a mound of earth, 4 ft. base
2 ft. high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

T 2 S S 4 on NE.

R 17 W S 9 on SE.

S 8 on SW., and

S 5 on NW. face; with 4 notches on E. and 5 notches
on S. edge.

Land, level.

Soil, alkali; 4th rate; and salt.

No timber.

The cor. of secs. 3, 4, 9, and 10, being plainly visible,
I run for said corner

N. 89° 57' E. on random line bet. secs. 4 and 9,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 3, 4, 9, and
10. Thence I run

S. 89° 57' W. on true line bet. secs. 4 and 9,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of
cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high over deposit.

In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
ins. in the ground, marked

$\frac{1}{4}$ S 4 on N. face, and 9 on S. face.

80.00 The cor. of secs. 4, 5, 8, and 9.

Land, level.

Soil, alkali; 4th rate.

No timber.

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chains. The cor. of secs. 4, 5, 32, and 33 on N. bdy. of Tp. being plainly visible, I run for said corner,
 N. $0^{\circ} 07' W.$ on a random line bet. secs. 4 and 5,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. bdy. of Tp. at the cor. of secs. 4, 5, 32, and 33, which is a glass deposit, with pine stake 2 ins. square, 12 ins. above ground, marked and witnessed as described by the surveyor general.
 Thence I run
 S. $0^{\circ} 07' E.$ bet. secs. 4 and 5, on true line,
 Over level alkali land.
 39.98 Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high over deposit.
 In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
 $\frac{1}{4}$ S 5 on W. face, and 4 on E. face.
 79.98 The cor. of secs. 4, 5, 8, and 9.
 Land, level.
 Soil, alkali; 4th rate.
 No timber. Sept. 22, 1908.

Sept. 22: At the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp., established by myself and heretofore described, lat. $40^{\circ} 35' 38'' N.$; long. $113^{\circ} 48' 24'' W.$, at 7 h. 23 m. p.m. by my watch which is 3 m. slow of l.m.t. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of my station.

Sept. 23: At 7 h. 30 m. a.m. I lay off the azimuth of

SUBDIVISION OF T.2 S., R. 17 W.

Chains.	<p>Polaris $1^{\circ} 34'$ to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night.</p> <p>The magnetic bearing of the true meridian is $N.17^{\circ}30'W.$ which gives the mag.decl. $17^{\circ}30'E.$</p> <p>Thence I run</p> <p style="padding-left: 40px;">$N.0^{\circ} 04'W.$ bet.secs.31 and 32</p> <p>Over level alkali land.</p>
40.00	<p>Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor.; marked $\frac{1}{4}$ S 31 on W.face, and 32 on E.face; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.of cor.</p>
80.00	<p>Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.29,30 31, and 32, marked</p> <p style="padding-left: 40px;">T 2 S S 29 on NE.</p> <p style="padding-left: 40px;">R 17 W S 32 on SE.</p> <p style="padding-left: 40px;">S 31 on SW., and</p> <p style="padding-left: 40px;">S 30 on NW.face; with 1 notch on S. and 5 notches on E.edge; dig pits 18 x 18 x 12 ins.in each sec.$5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft. high W.of cor.</p> <p>Land, level.</p> <p>Soil, alkali; 4th rate.</p> <p>No timber.</p>
	<p>The cor.of secs.28,29,32, and 33 being plainly visible</p> <p>I run for said corner,</p> <p style="padding-left: 40px;">$N.89^{\circ} 54'E.$ on a random line bet.secs.29 and 32,</p>
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.28,29,32,

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SUBDIVISION OF T. 2 S., R. 17 W.

Chains and 33. Thence I run

S. 89° 54' W. on a true line bet. secs. 29 and 32,

Over level alkali land.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ S 29 on N. face, and 32 on S. face; dig pits 18 x 18

12 x 12 ins. E. and W. of post 3 ft. dist.; and raise a

mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.00 The cor. of secs. 29, 30, 31, and 32.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 25, 30, 31, and 36 on W. bdy. of Tp. being plainly visible, I run for said corner,

S. 89° 55' W. on a random line bet. secs. 30 and 31,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.38 Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31, and 36, established by myself and heretofore described.

Thence I run

N. 89° 55' E. on a true line bet. secs. 30 and 31,

Over level alkali land.

38.38 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 30 on N. face, and 31 on S. face; dig pits 18 x 18

x 12 ins. E. and W. of post 3 ft. dist.; and raise a

mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

78.38 The cor. of secs. 29, 30, 31 and 32.

Land, level.

Soil, alkali; 4th rate.

No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. N. 0° 04' W. bet. secs. 29 and 30,
Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of
 cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high over deposit.
 In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12
 ins. in the ground, marked
 $\frac{1}{4}$ S 30 on W. face, and 29 on E. face.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
 charcoal, 24 ins. in the ground, for cor. of secs.
 19, 20, 29, and 30, marked
 T 2 S S 20 on NE.
 R 17 W S 29 on SE.
 S 30 on SW., and
 S 19 on NW. face, with 5 notches on E. and 2 notches
 on S. edge; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$
 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft.
 high W. of cor.
 Land, level.
 Soil, alkali; 4th rate.
 No timber.

The cor. of secs. 20, 21, 28, and 29 being plainly visible,
 I run for said corner,
 N. 89° 54' E. on a random line bet. secs. 20 and 29,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line at the cor. of secs. 20, 21, 28,
 and 29. Thence I run
 S. 89° 54' W. on true line bet. secs. 20 and 29,
 Over level alkali land.

39.99 Deposit a quart of charcoal 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.	cor. 4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high over deposit. In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked $\frac{1}{4}$ S 20 on N. face, and 29 on S. face.
79.98	The cor. of secs. 19, 20, 29, and 30. Land, level. Soil, alkali; 4th rate. No timber.
40.00	The cor. of secs. 19, 24, 25, and 30 being plainly visible I run for said corner, S. $89^{\circ} 55' W.$ on random line bet. secs. 19 and 30, Set temp. $\frac{1}{4}$ sec. cor.
78.24	Intersect W. bdy. of Tp. at the cor. of secs. 19, 24, 25, and 30, established by myself and heretofore described. Thence I run N. $89^{\circ} 55' E.$ on a true line bet. secs. 19 and 30, Over level alkali land.
38.24	Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 19 on N. face, and 30 on S. face; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.; and raise a mound mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
78.24	The cor. of secs. 19, 20, 29, and 30. Land, level. Soil, alkali; 4th rate. No timber.
38.00	N. $0^{\circ} 04' W.$ bet. secs. 19 and 20, Over level alkali land. Leave alkali; enter salt bed.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.

- 40.00 Set a pine post 3 ft. long, 4 ins. sq., with quartt char-
coal, 24 ins. in ground, for $\frac{1}{4}$ sec. cor. mkd $\frac{1}{4}$ on W. face,
20 on E. face. Pits and mound impracticable.
- 80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for cor. of secs. 17, 18,
19, and 20; marked
T 2 S S 17 on NE.
R 17 W S 20 on SE.
S 19 on SW., and
S 18 on NW. face, with 5 notches on E. and 3 notch-
es on S. edge. Pits and mound impracticable.
Land, level. salt bed.
Soil, alkali; 4th rate; and salt bed.
No timber.

- The cor. of secs. 16, 17, 20, and 21 being plainly visible
I run for said corner,
N $89^{\circ} 54'$ E. on a random line bet. secs. 17 and 20,
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line at the cor. of secs. 16, 17, 20,
and 21. Thence I run
S $89^{\circ} 54'$ W. on true line bet. secs. 17 and 20,
Over level salt bed.
- 39.99 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground for $\frac{1}{4}$ sec. cor.; marked
 $\frac{1}{4}$ S 17 on N. face, and 20 on S. face; dig pits 18 x 18
x 12 ins. E. and W. of post 3 ft. dist.; and raise a
mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 79.98 The cor. of secs. 17, 18, 19, and 20.
Land, level salt bed.
No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains The cor. of secs. 13, 18, 19, and 24 on W. bdy. of Tp. being plainly visible, I run for said corner,

S. 89° 55' W. on random line bet. secs. 18 and 19,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.10 Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, established by myself and heretofore described.

Thence I run

N. 89° 55' E. on true line bet. secs. 18 and 19,

Over level salt bed.

38.10 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 18 on N. face, and 19 on S. face; pits and mound impracticable.

78.10 The cor. of secs. 17, 18, 19, and 20.

Land, level salt bed.

No timber.

N. 0° 04' W. bet. secs. 17 and 18,

Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor.; mkd. $\frac{1}{4}$ S 18 on W. face, and 17 on E. face. Pits and mound impracticable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground for cor. of secs. 7, 8, 17, and 18, marked

T 2 S S 8 on NE.

R 17 W S 17 on SE.

S 18 on SW., and

S 7 on NW. face; with 5 notches on E. and 4 notches on S. edge. Pits and mound impracticable.

Land, level. salt bed.

No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains. The cor. of secs. 8, 9, 16, and 17 being plainly visible I run for said corner,
 N. 89° 54' E. on a random line bet. secs. 8 and 17,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line at the cor. of secs. 8, 9, 16, and 17. Thence I run
 S. 89° 54' W. on true line bet. secs. 8 and 17,
 Over level salt bed.
 39.98 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 8 on N. face, and 17 on S. face. Pits and mound impracticable.
 79.96 The cor. of secs. 7, 8, 17, and 18.
 Land, level, salt bed.
 No timber.

The cor. of secs. 7, 12, 13, and 18 on W. bdy. of Tp. being plainly visible I run for said corner,
 S. 89° 55' W. on random line bet. secs. 7 and 18,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.96 Intersect W. bdy. of Tp. at the cor. of secs. 7, 12, 13, and 18, established by myself and heretofore described.
 Thence I run
 N. 89° 55' E. on true line bet. secs. 7 and 18,
 Over level salt bed.
 37.96 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 7 on N. face, and 18 on S. face. Pits and mound impracticable.
 77.96 The cor. of secs. 7, 8, 17, and 18.
 Land, level salt bed.
 No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains N. 0° 04' W. bet. secs. 7 and 8,
Over level salt bed.

40.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 7 on W. face, and 8 on E. face. Pits and mound im-
practicable.

80.00 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for cor. of secs. 5,
6, 7, and 8; marked
T 2 S S 5 on NE.
R 17 W S 8 on SE.
S 7 on SW., and
S 6 on NW. face, with 5 notches on S. and E. edges.
Pits and mound impracticable.
Land, level salt bed.
No timber.

The cor. of secs. 4, 5, 8, and 9 being plainly visible I
run for said corner,
N. 89° 56' E. on a random line bet. secs. 5 and 8,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line at the cor. of secs. 4, 5, 8, and
9. Thence I run over level alkali land
S. 89° 56' W. on true line bet. secs. 5 and 8,

25.00 Leave alkali; enter salt bed.

39.98 Set a pine post 3 ft. long, 4 ins. sq., with quart of
charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S 5 on N. face, and 8 on S. face. Pits and mound im-
practicable.

79.96 The cor. of secs. 5, 6, 7, and 8.
Land, level.
Soil, alkali; 4th rate; and salt bed.
No timber.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.

The cor. of secs. 1, 6, 7, and 12 on W. bdy. of Tp. being plainly visible I run for said corner,

S. $89^{\circ} 55'$ W. on random line bet. secs. 6 and 7,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.82 Intersect W. bdy. of Tp. at the cor. of secs. 1, 6, 7, and 12, established by myself and heretofore described.

Thence I run

N. $89^{\circ} 55'$ E. on a true line bet. secs. 6 and 7,

Over level salt bed.

37.82 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 6 on N. face, and 7 on S. face. Pits and mound impracticable.

77.82 The cor. of secs. 5, 6, 7, and 8.

Land, level salt bed.

No timber.

The cor. of secs. 5, 6, 31, and 32 on N. bdy. of Tp. being plainly visible I run

N. $0^{\circ} 10'$ W. on a random line bet. secs. 5 and 6,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. bdy. of Tp. at the cor. of secs. 5, 6, 31, and 32, which is a pine stake 2 ins. sq., 12 ins. above ground, with glass deposit, marked and witnessed as described by the surveyor general.

Thence I run

S. $0^{\circ} 10'$ E. on true line bet. secs. 5 and 6,

Over level salt bed.

39.98 Set a pine post 3 ft. long, 4 ins. sq., with quart of charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 6 on W. face, and 5 on E. face. Pits and mound impracticable.

79.98 The cor. of secs. 5, 6, 7, and 8.

SUBDIVISION OF T. 2 S., R. 17 W.

Chains.

Land, level salt bed.

No timber.

Sept. 23, 1908.

GENERAL DESCRIPTION.

This township contains only salt and alkali lands. All of sections 6, 7, 17, and 18, the W. $\frac{1}{2}$ secs. 5 and 16, major portion of secs. 8, 19, 20, and 21, and a very small portion in the W. $\frac{1}{2}$ sec. 22 contain a valuable deposit of salt, varying in thickness from 1 inch to many feet in depth, and seems to be of almost pure quality.

The remaining portion of the township is an alkali flat, unfit for any kind of agricultural crops.

I found no indications of mineral, other than the salt. There is no water in the township and no timber. There are no settlers in the township.

Robert E. L. Collins
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert E.L. Collier

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision of Tps. 1 N. and 1 S., R. 19 W.; and Tps. 2 S., Rs. 17, 18, and 19 W. of the Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Ralph Gentry, Chainman.

David Sharp Jr., Chainman.

R. Harold Browne, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

Ralph M. Wind, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E.L. Collier

_____, United States Deputy Surveyor, in surveying all those parts or portions of the the Subdivisions of Tps. 1 N., and 1 S., R. 19 W.; and Tps. 2 S., Rs. 17, 18, and 19 W. of the

_____ of the Salt Lake Base and _____ meridian, _____ State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Ralph Gentry, Chainman.

David Sharp Jr., Chainman.

R. Harold Browne, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

Ralph M. Wind, Flagman.

Subscribed and sworn to before me this 1st

day of October, 1908



Henry H. Harrison
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L. Collier, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 5th day of March, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisional lines of Tps. 1 N., and 1 S., R.19 W.; and Tps.2 S., Rs.17, 18, and 19 W.

Base and meridian in the State of Utah, of the Salt Lake in books D.F.G.I. and L., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert E. L. Collier

United States Deputy Surveyor.

Subscribed by said Robert E.L. Collier, and sworn to before me
this 12th day of October, 1908.



Thomas Hull

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 21, 1909.

The foregoing field notes of the survey of the subdivisional lines of Township No. 2 South, Range No. 17 West of the Salt Lake Base and meridian,
Utah,

executed by Robert E.L. Collier
under his contract No. 301, dated March 5, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.